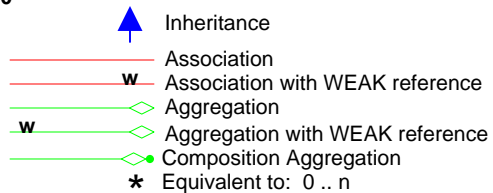
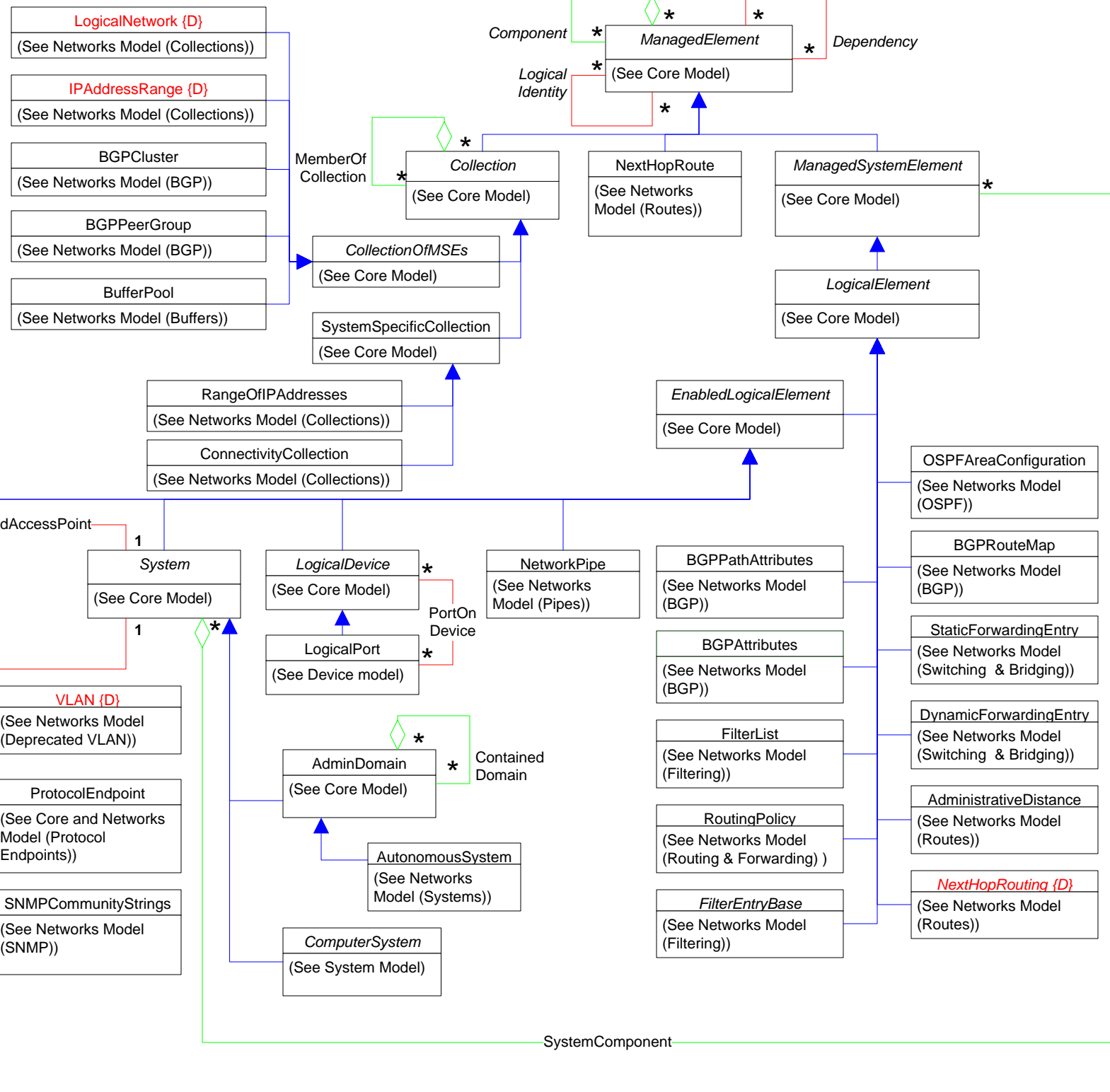









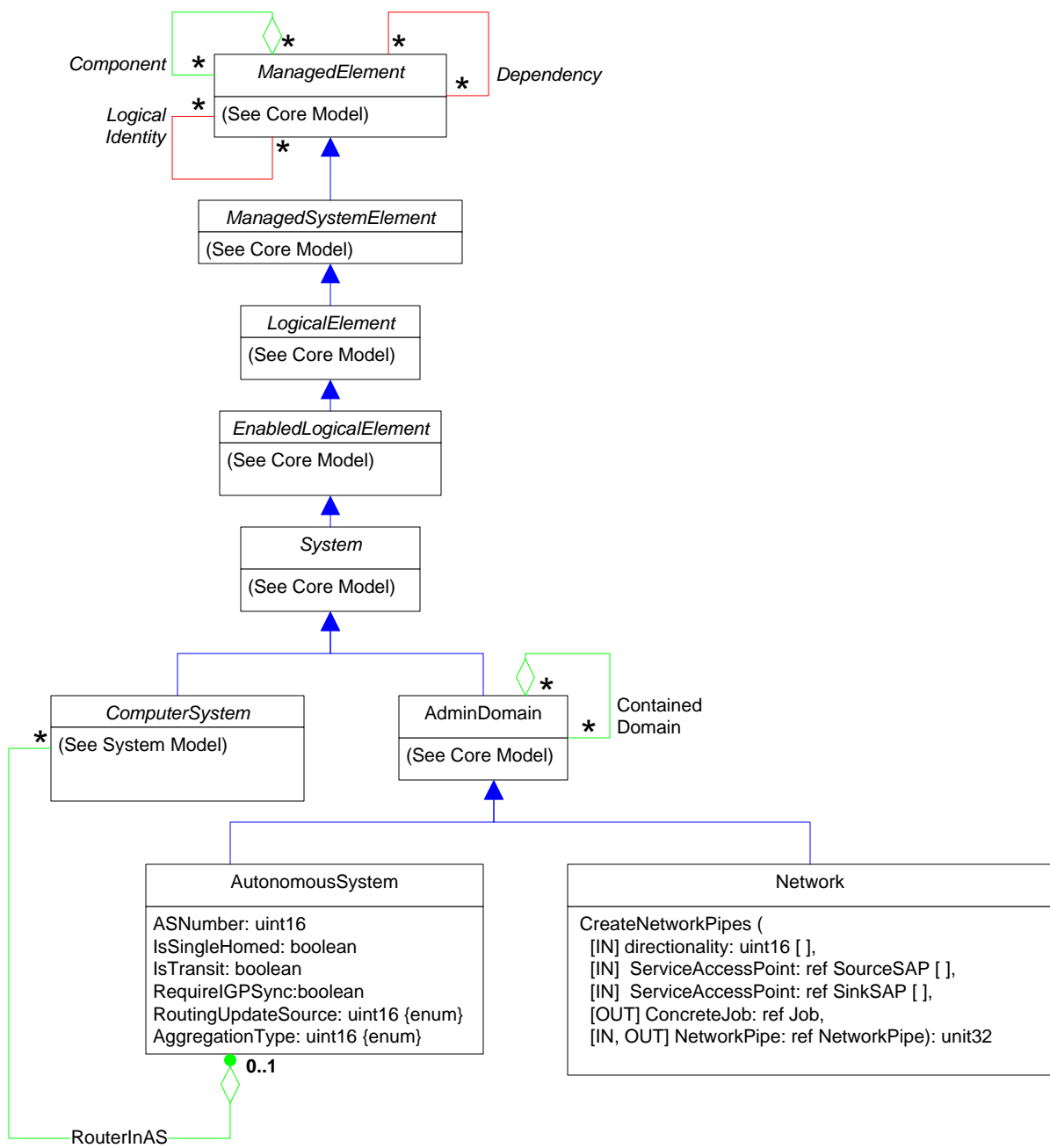
Page 1 : Overview
 Page 2 : Network Systems
 Page 3 : Network Collections
 Page 4 : Protocol Endpoints
 Page 5 : Protocol Endpoints (2)
 Page 6 : ProtocolEndpoints (3)
 Page 7 : Routing and Forwarding
 Page 8 : Routes
 Page 9 : Pipes
 Page 10 : Filtering and Filter Entries
 Page 11 : Buffer Pools (Network Resources)
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 Page 14 : BGP
 Page 15 : BGP (Continued)
 Page 16 : Switching and Bridging
 Page 17 : QoS
 Page 18 : QoS Conditioning Services
 Page 19 : IPSec
 Page 20 : VLAN
 Page 21 : MPLS(1)
 Page 22 : MPLS(2)



Page 23 : Topology
 Page 24 : 802.3ad Link Aggregation
 Page 25 : NAT
 Page 26 : iSCSI(1)
 Page 27 : iSCSI(2)
 Page 28 : Channel Extender
 Page 29 : Redirection
 Page 30 : MediaRedirection
 Page 31 : ConfigurationServices
 Page 32 : Dependency Hierarchy
 Page 33 : Dependency Hierarchy (Con't)
 Page 34 : HostedDependency Hierarchy
 Page 35 : Association Hierarchy
 Page 36 : Aggregation Hierarchy
 Page 37 : MemberOfCollection
 Page 38 : Deprecated VLAN
 Page 39 : Deprecated Associations

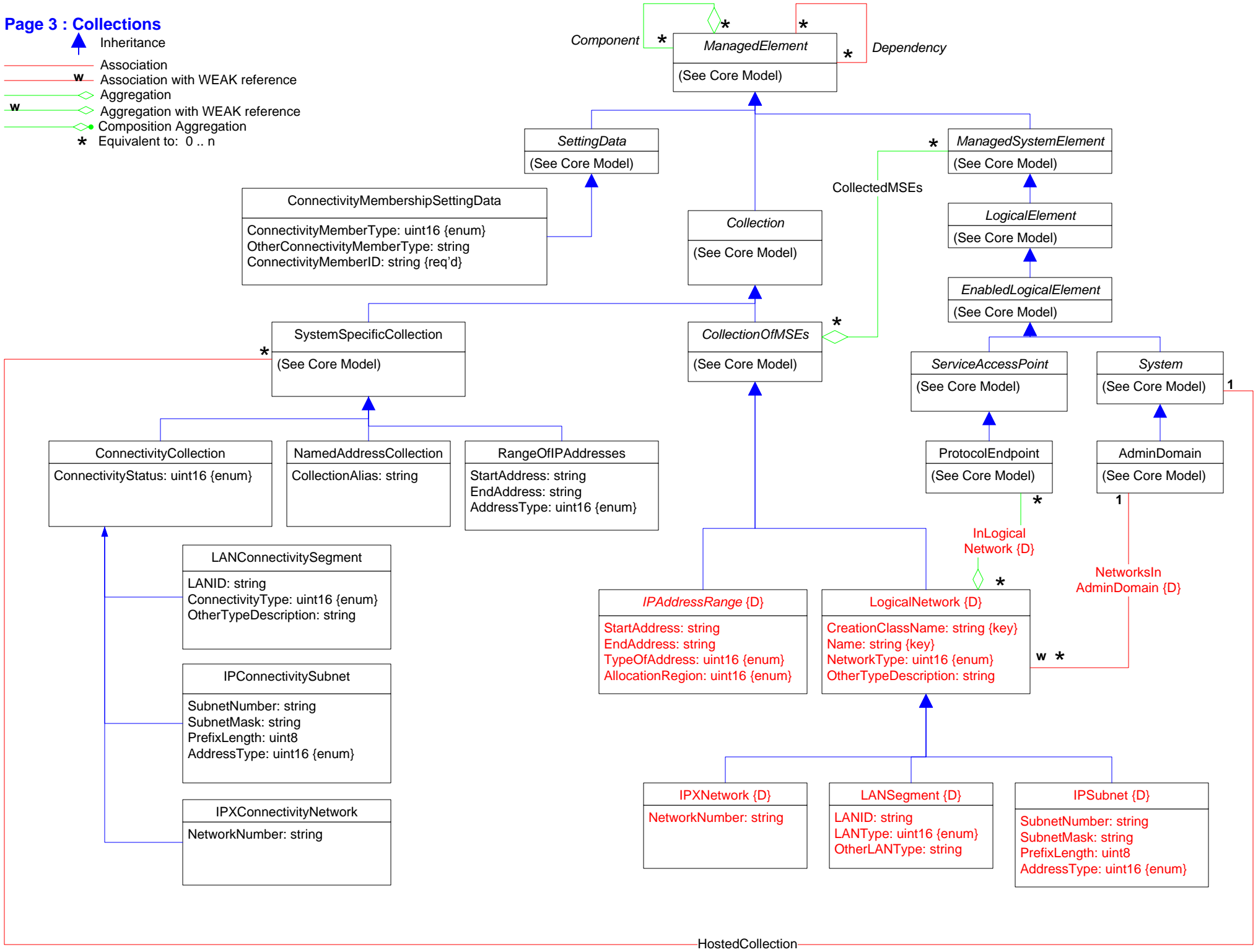


-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n



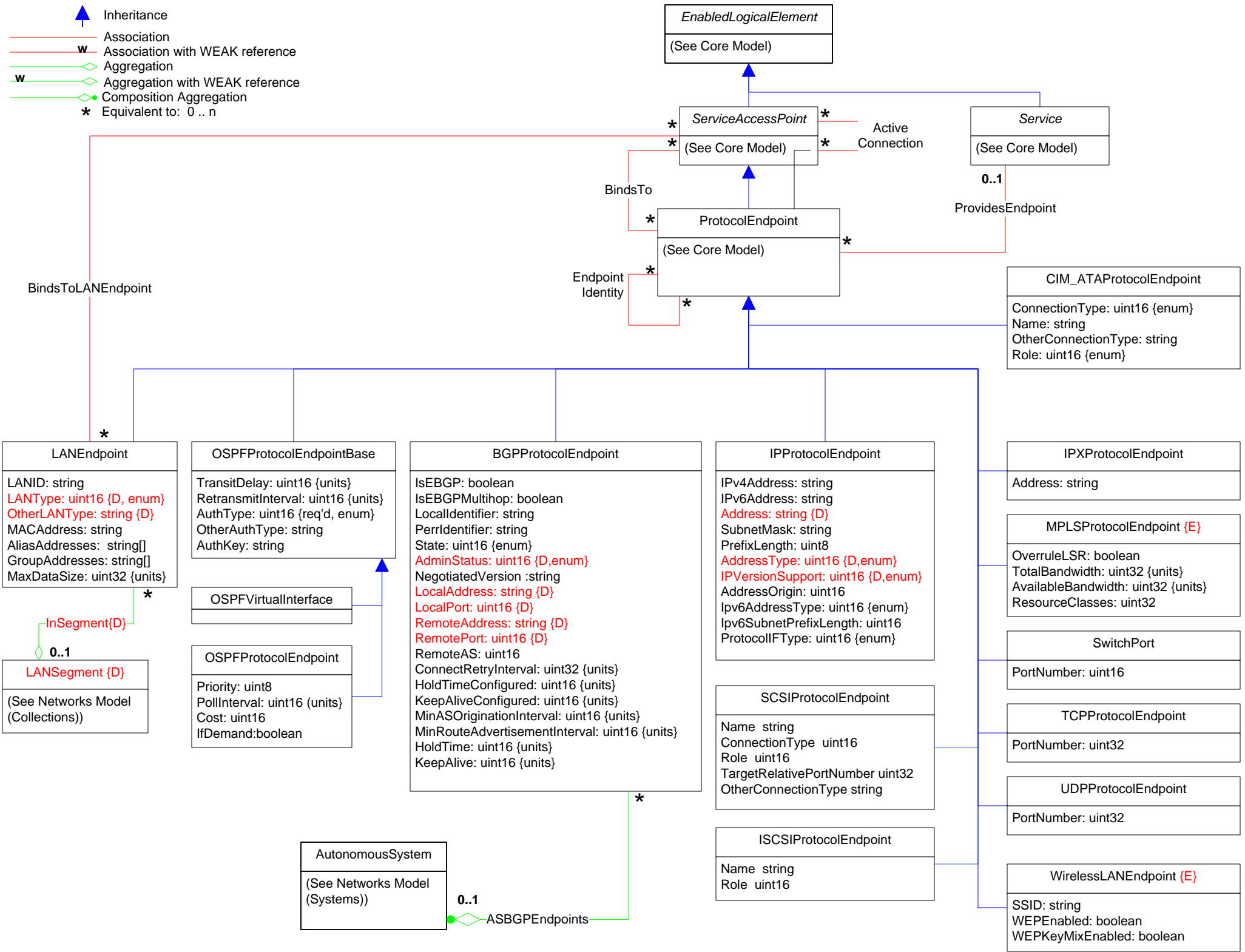
Page 3 : Collections

- Inheritance
- Association
- Association with WEAK reference
- Aggregation
- Aggregation with WEAK reference
- Composition Aggregation
- Equivalent to: 0..n

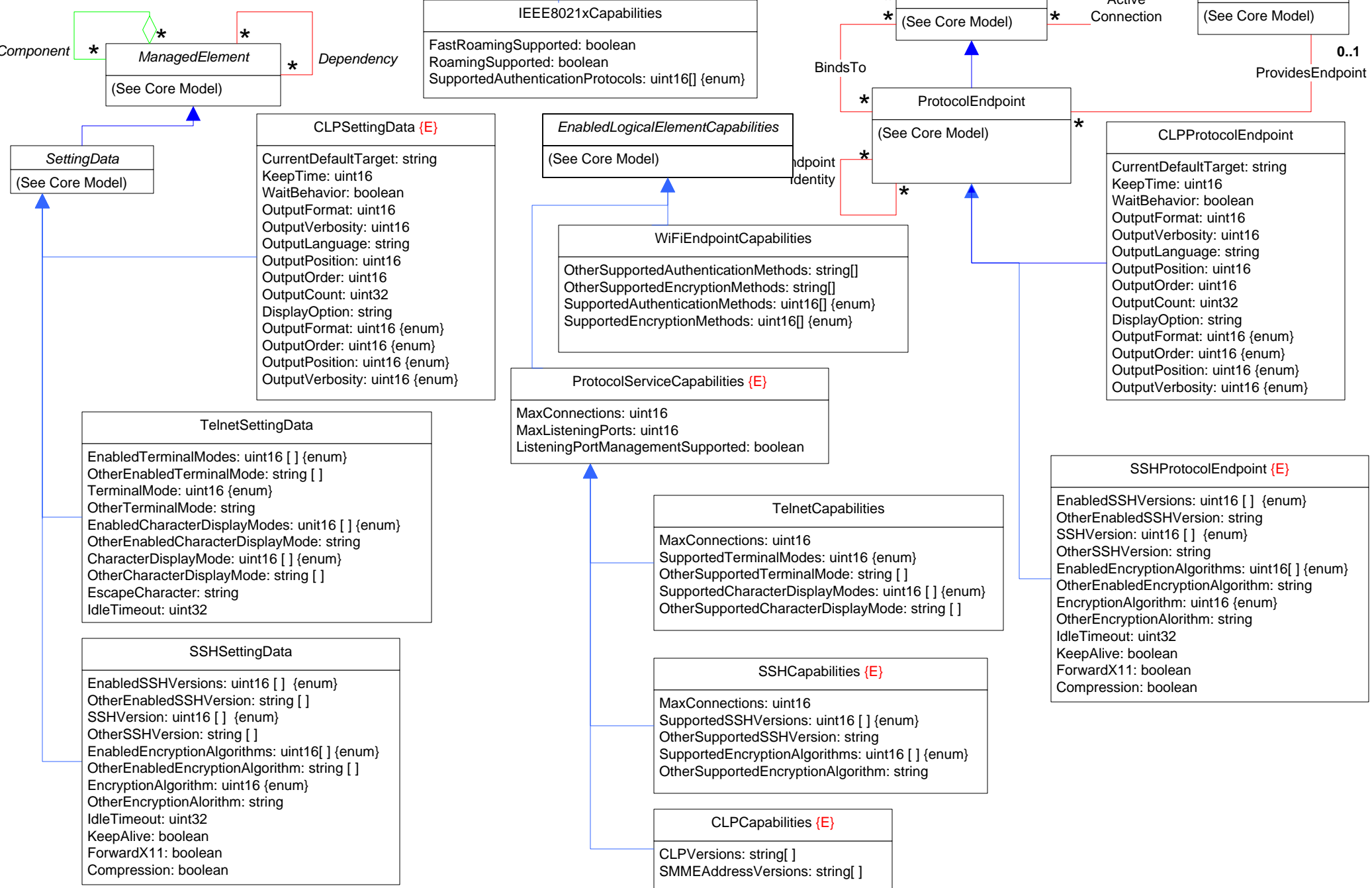


Page 4 : Protocol Endpoints








- Inheritance
- Association
- Association with WEAK reference
- Aggregation
- Aggregation with WEAK reference
- Composition Aggregation
- Equivalent to: 0 .. n

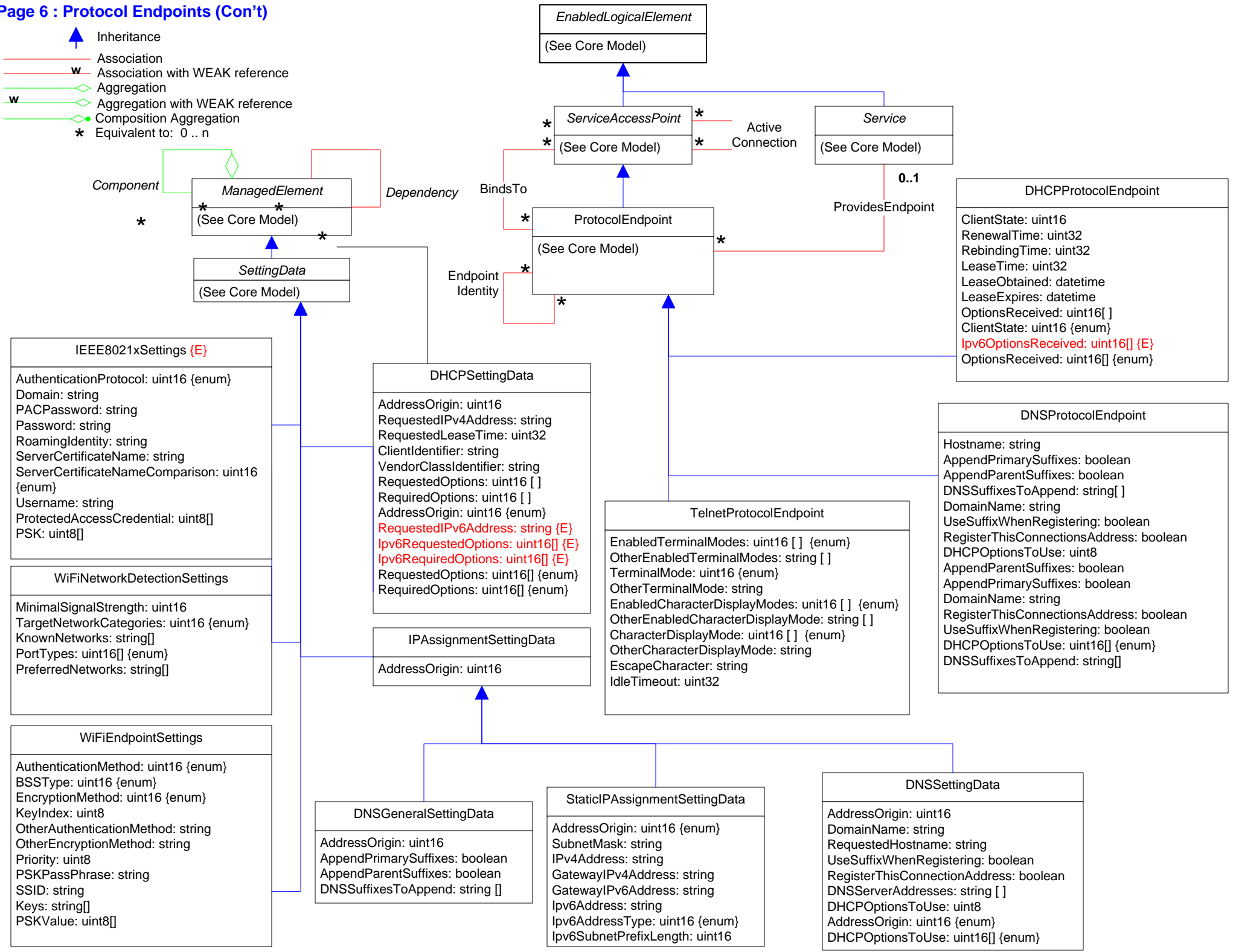


- Inheritance
- Association
- Association with WEAK reference
- Aggregation
- Aggregation with WEAK reference
- Composition Aggregation
- Equivalent to: 0..n









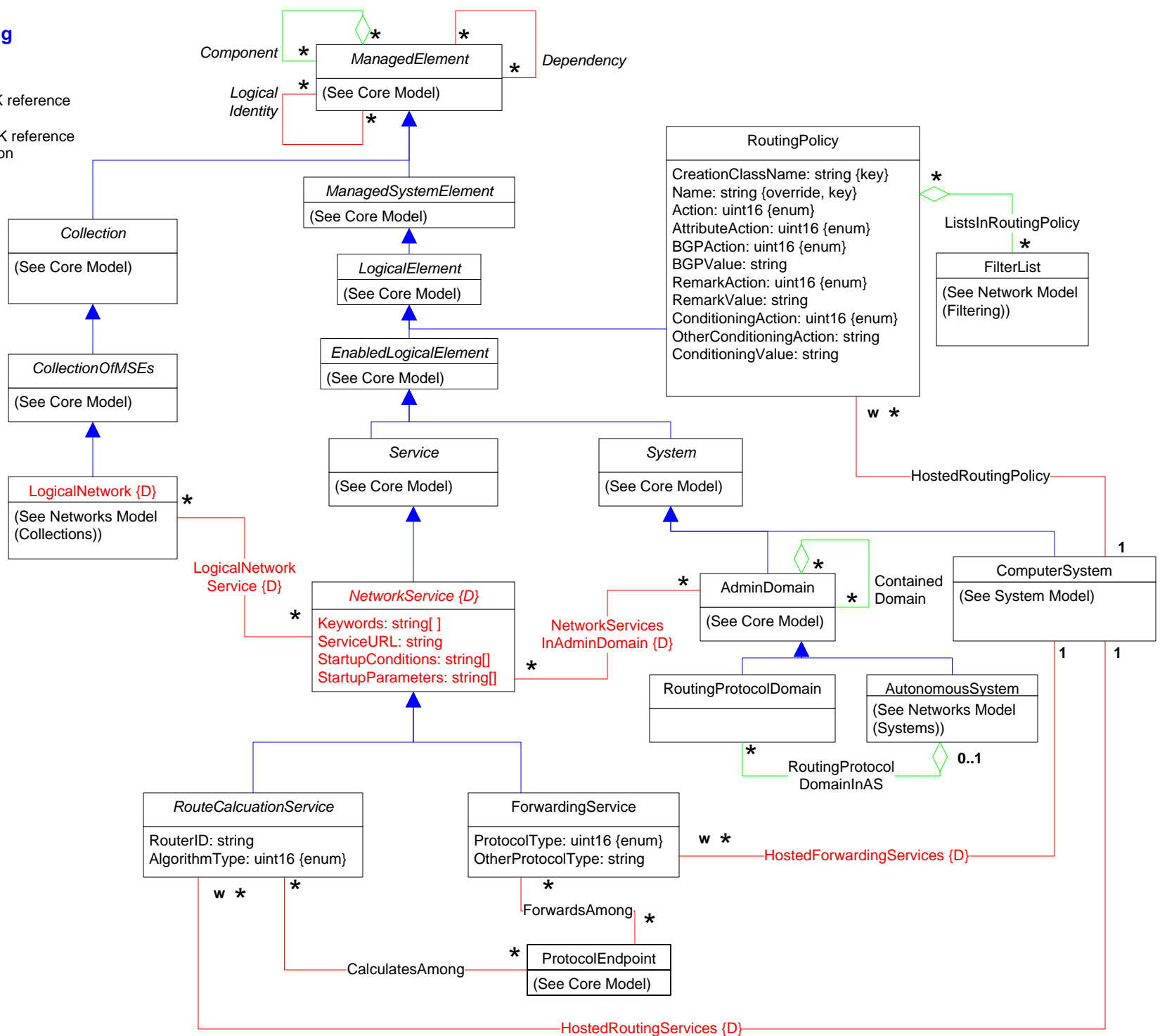
Page 6 : Protocol Endpoints (Con't)

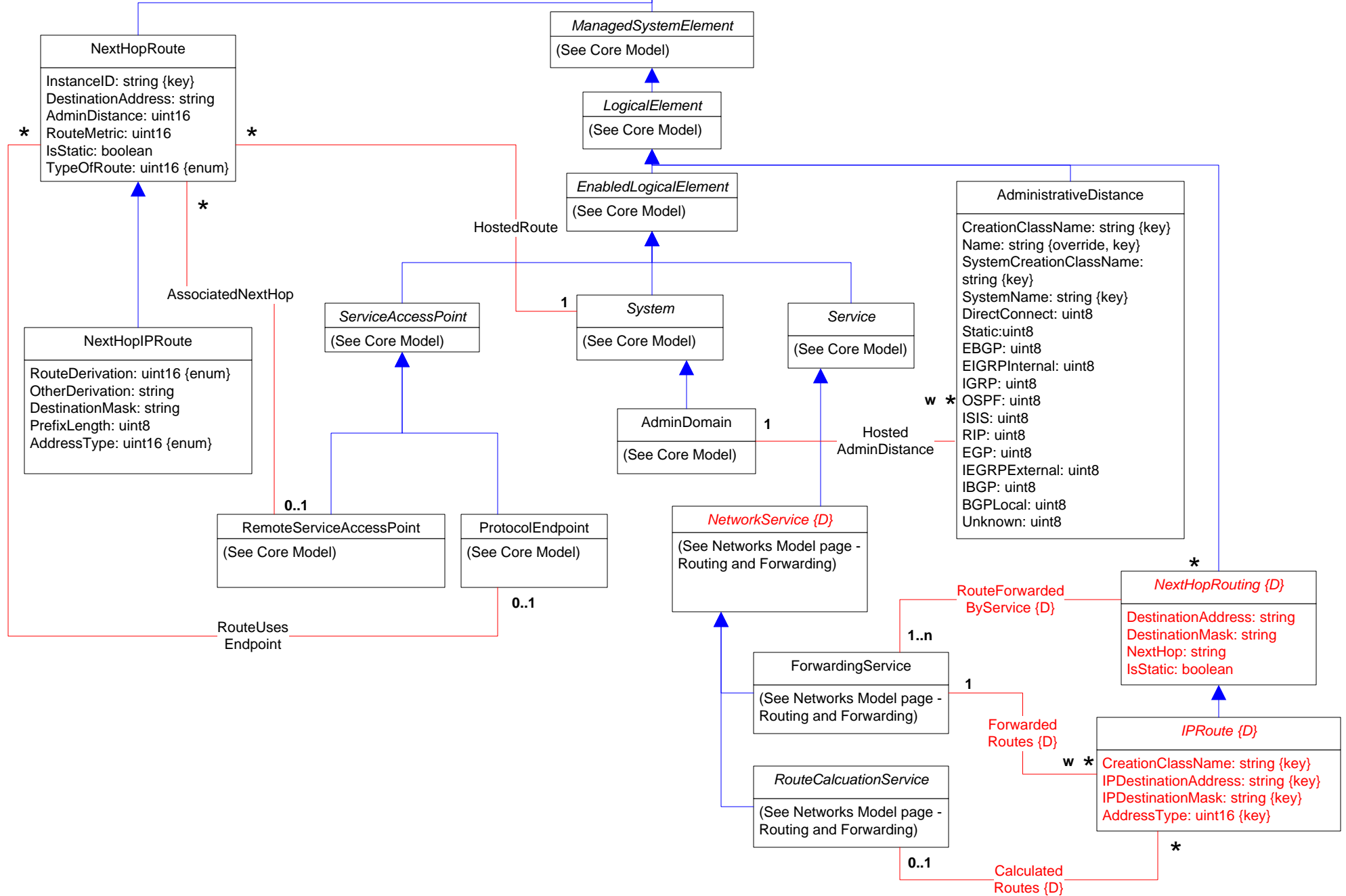
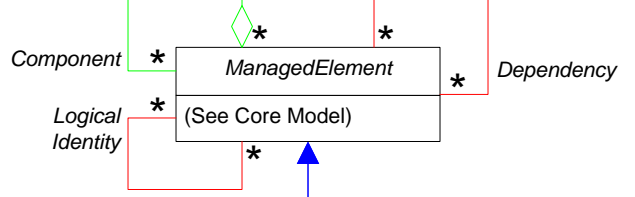
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n




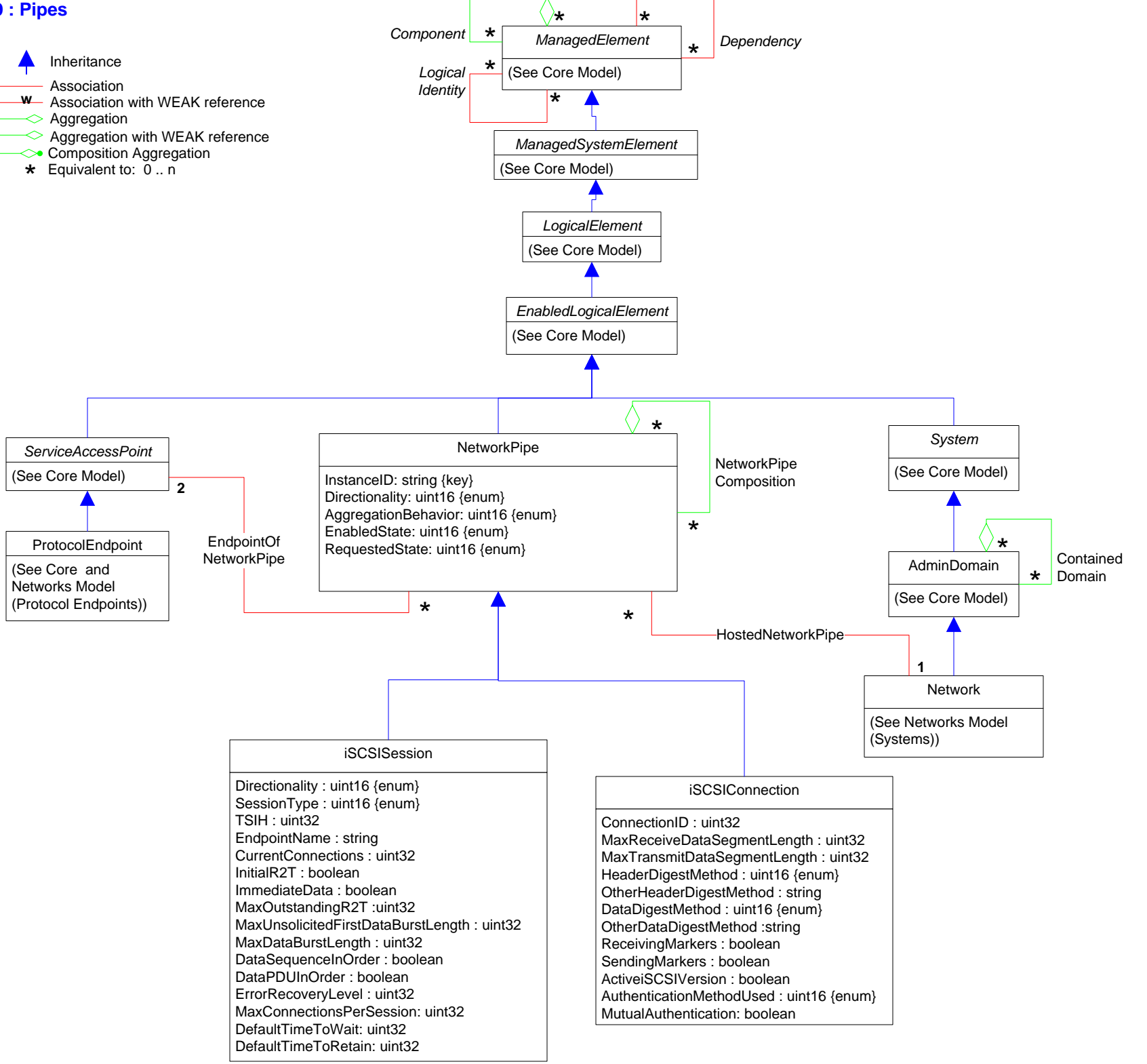
Page 7 : Routing & Forwarding

-  Inheritance
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n



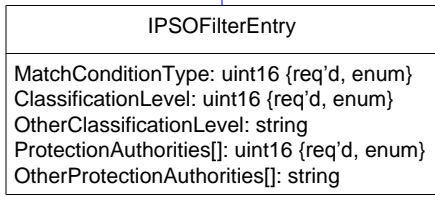
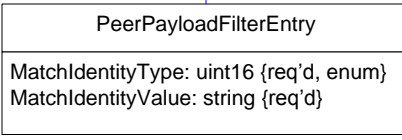
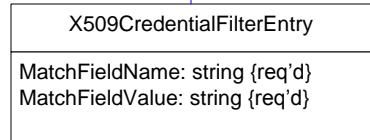
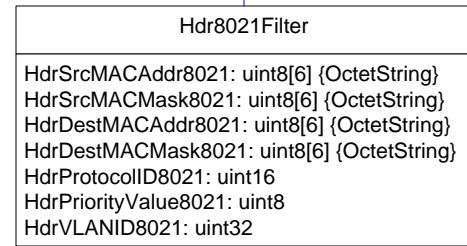
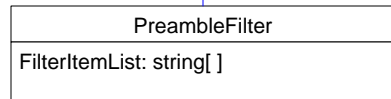
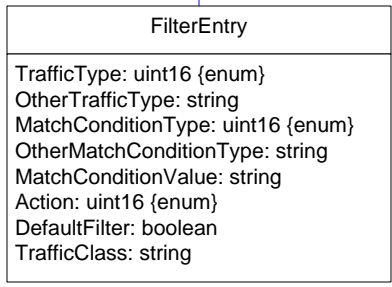
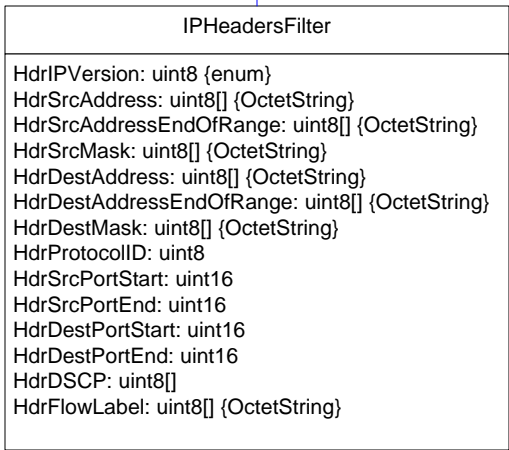
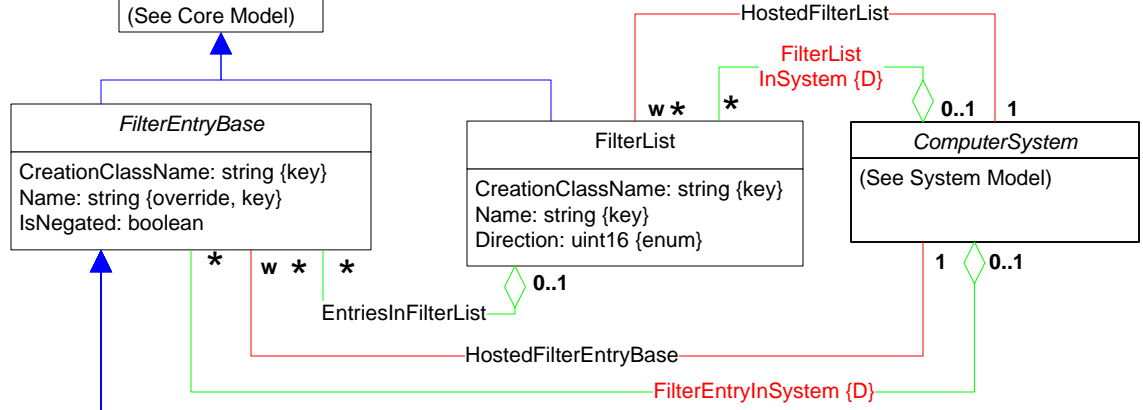
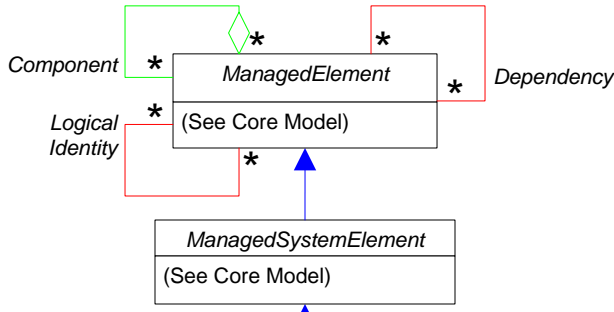


-  Inheritance
- Association
- Association with WEAK reference
- Aggregation
- Aggregation with WEAK reference
- Composition Aggregation
- Equivalent to: 0 .. n










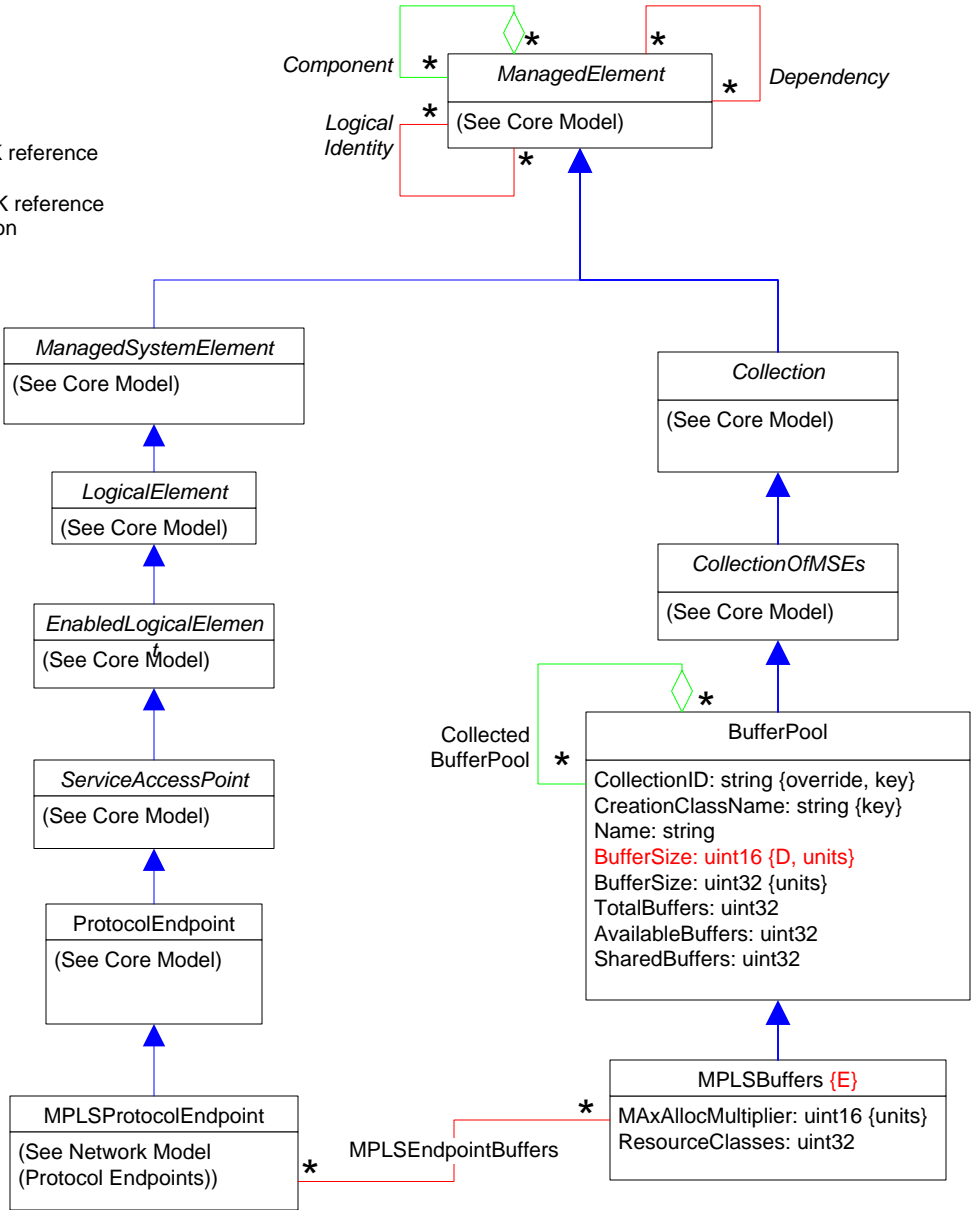
Page 10 : Filtering

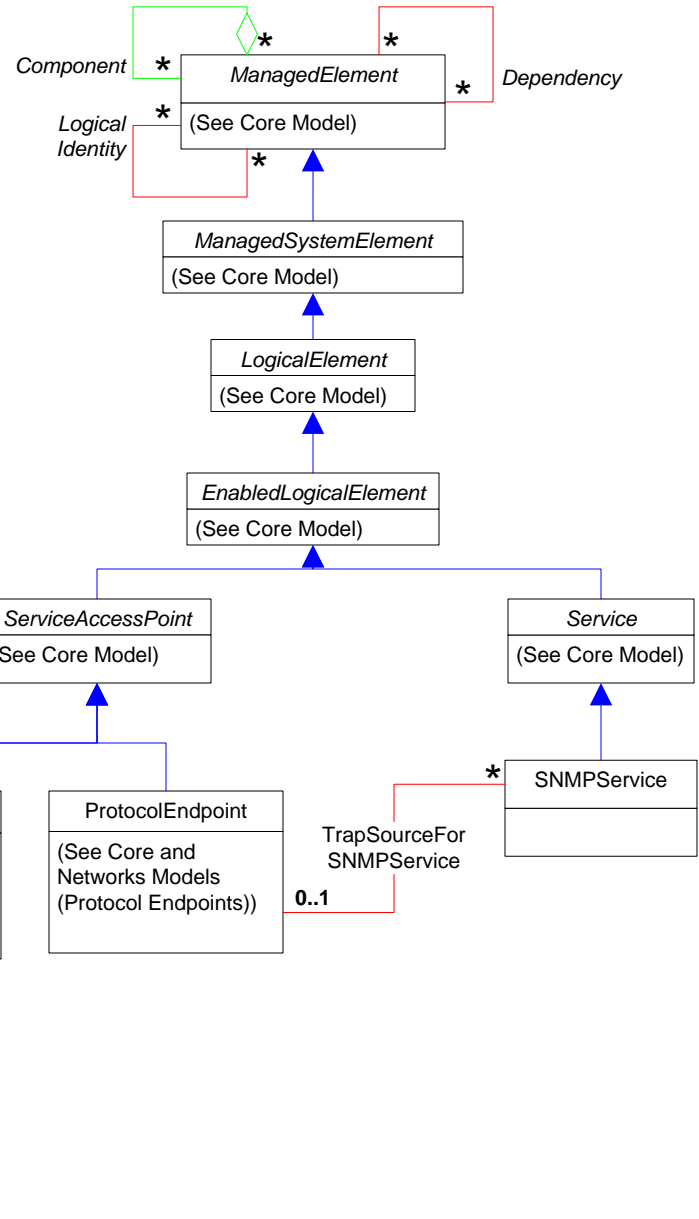
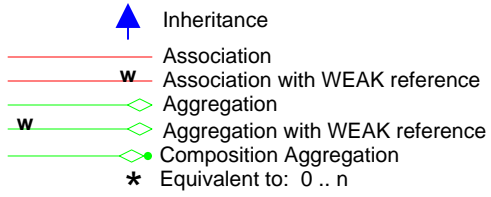
- Inheritance
- Association
- Association with WEAK reference
- Aggregation
- Aggregation with WEAK reference
- Composition Aggregation
- Equivalent to: 0..n

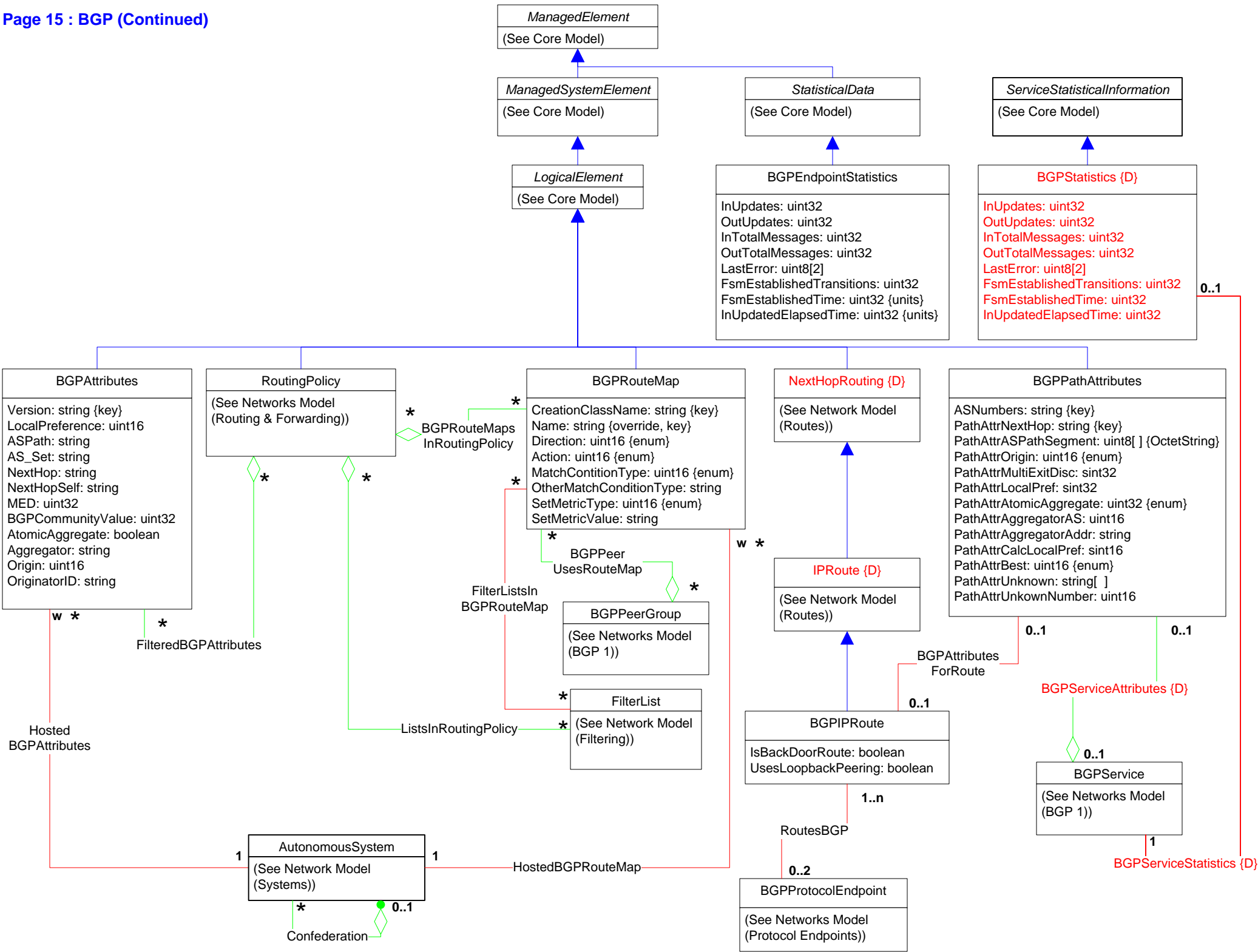









Page 11 : Buffers

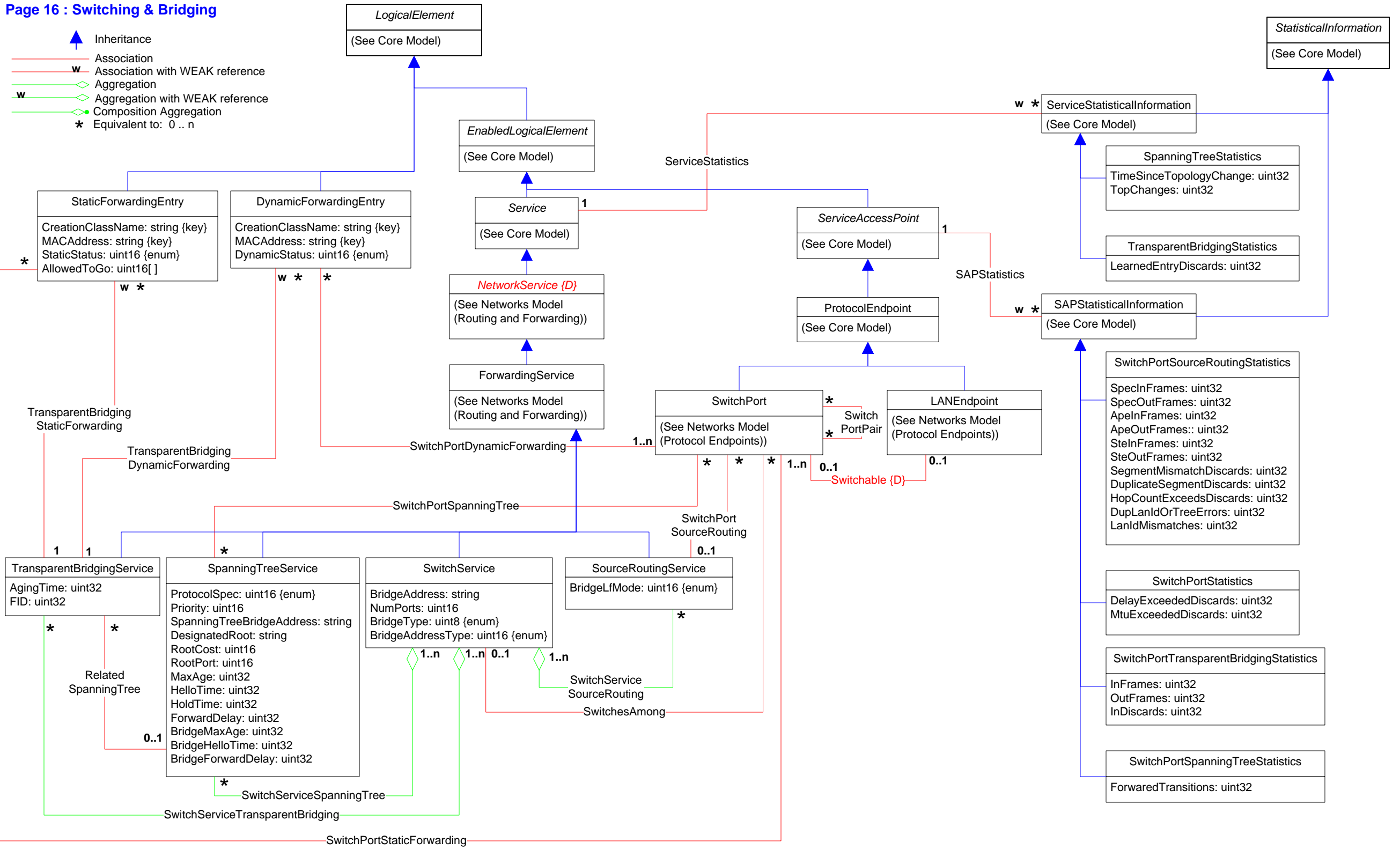
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n



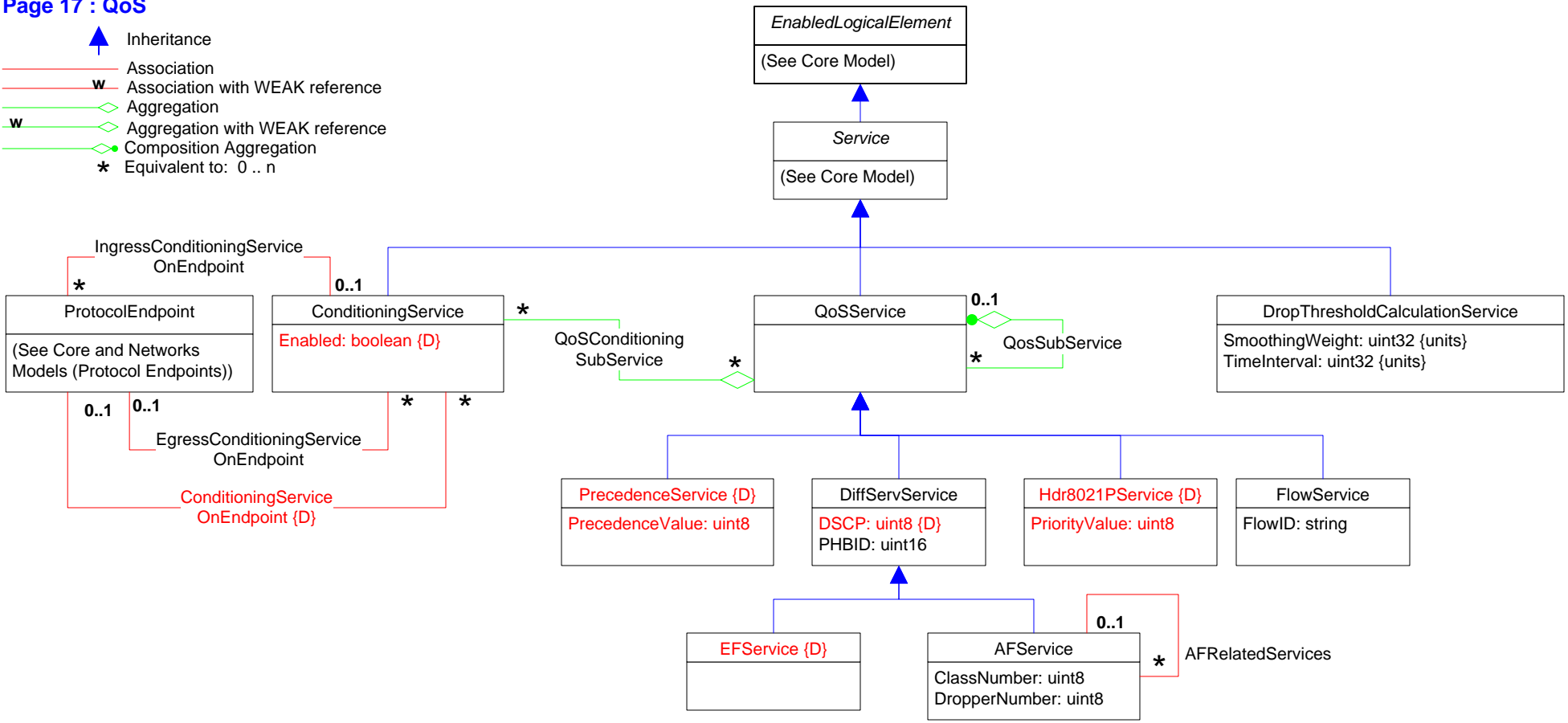


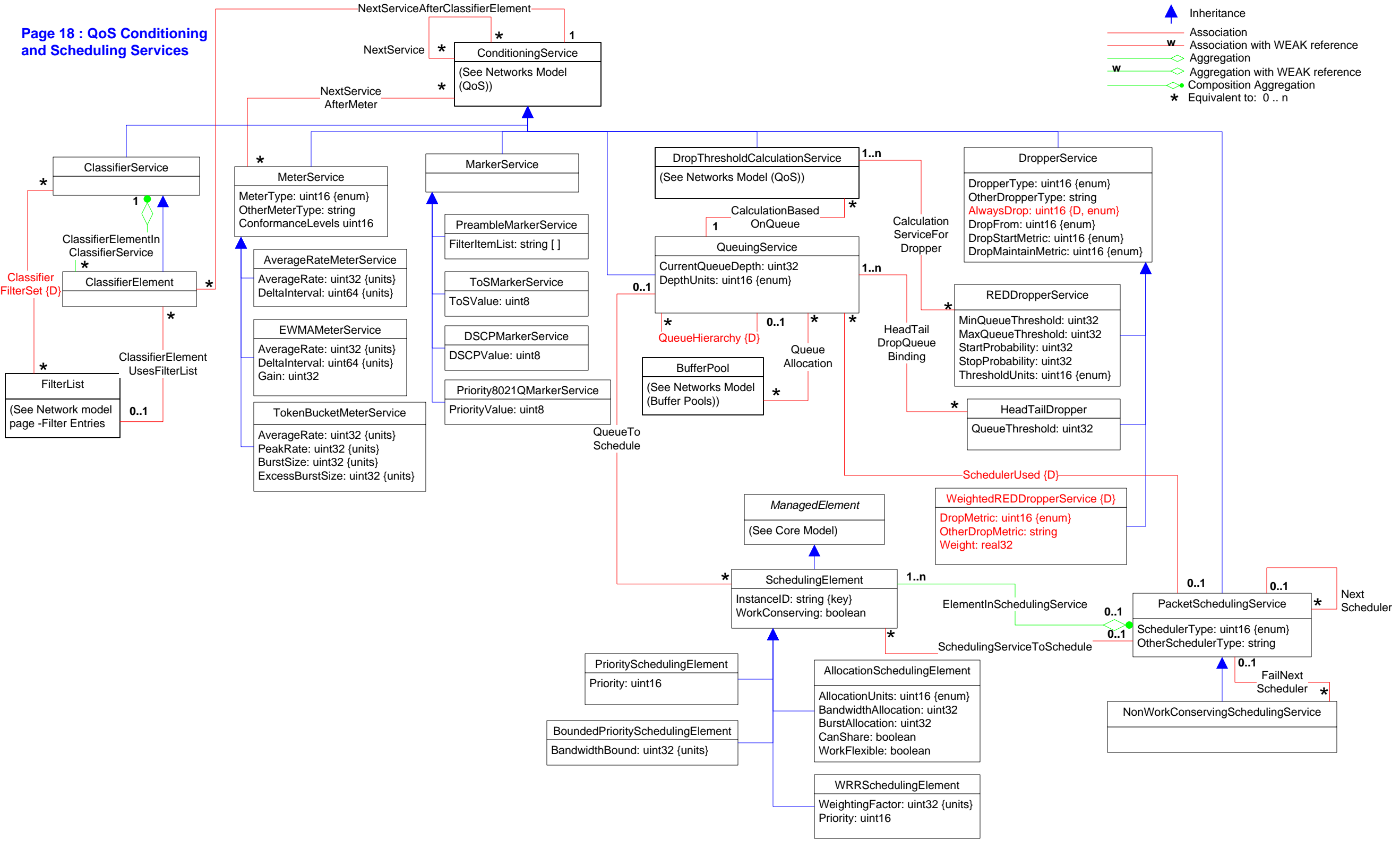
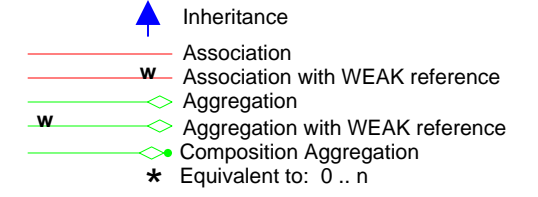


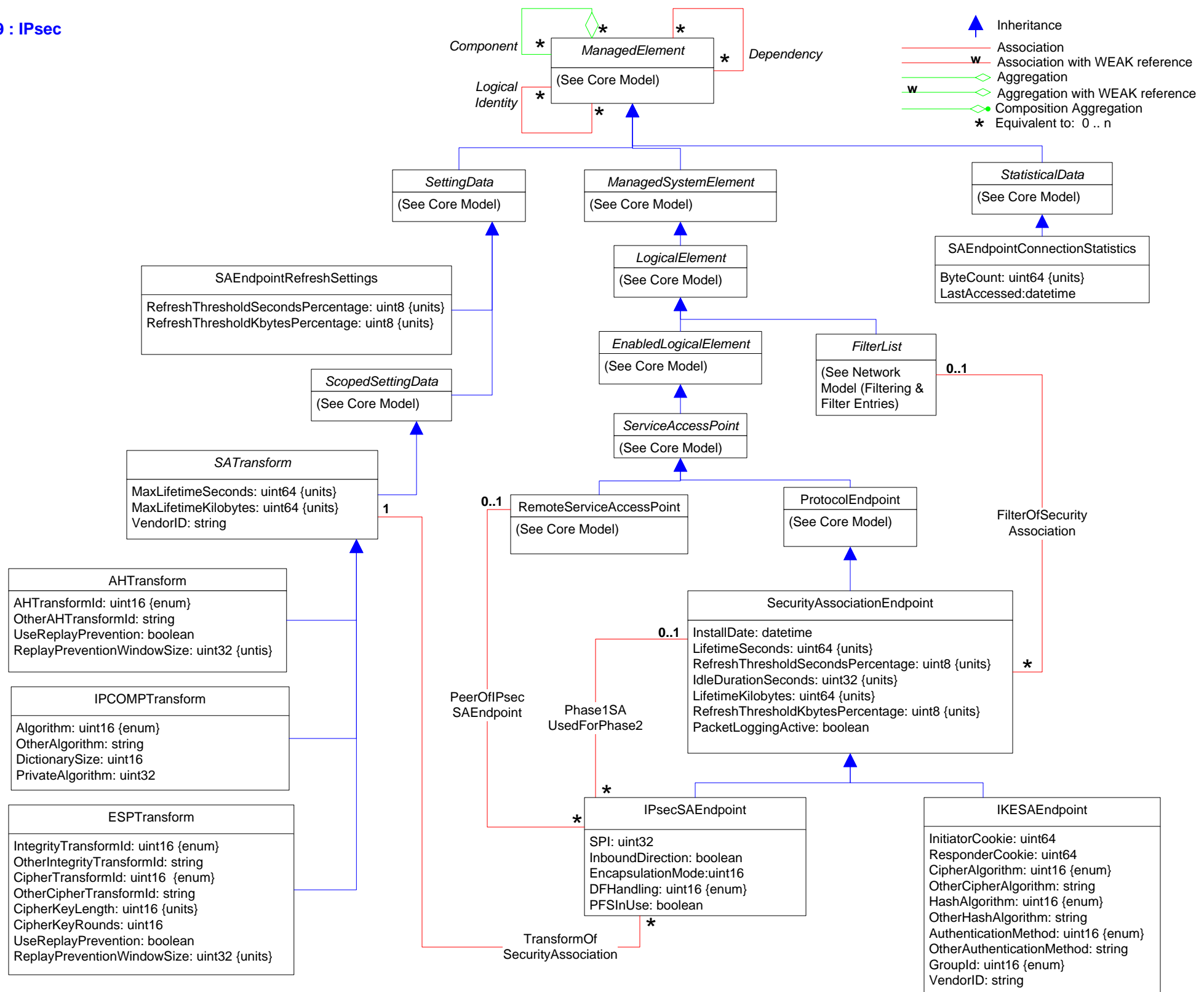
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n

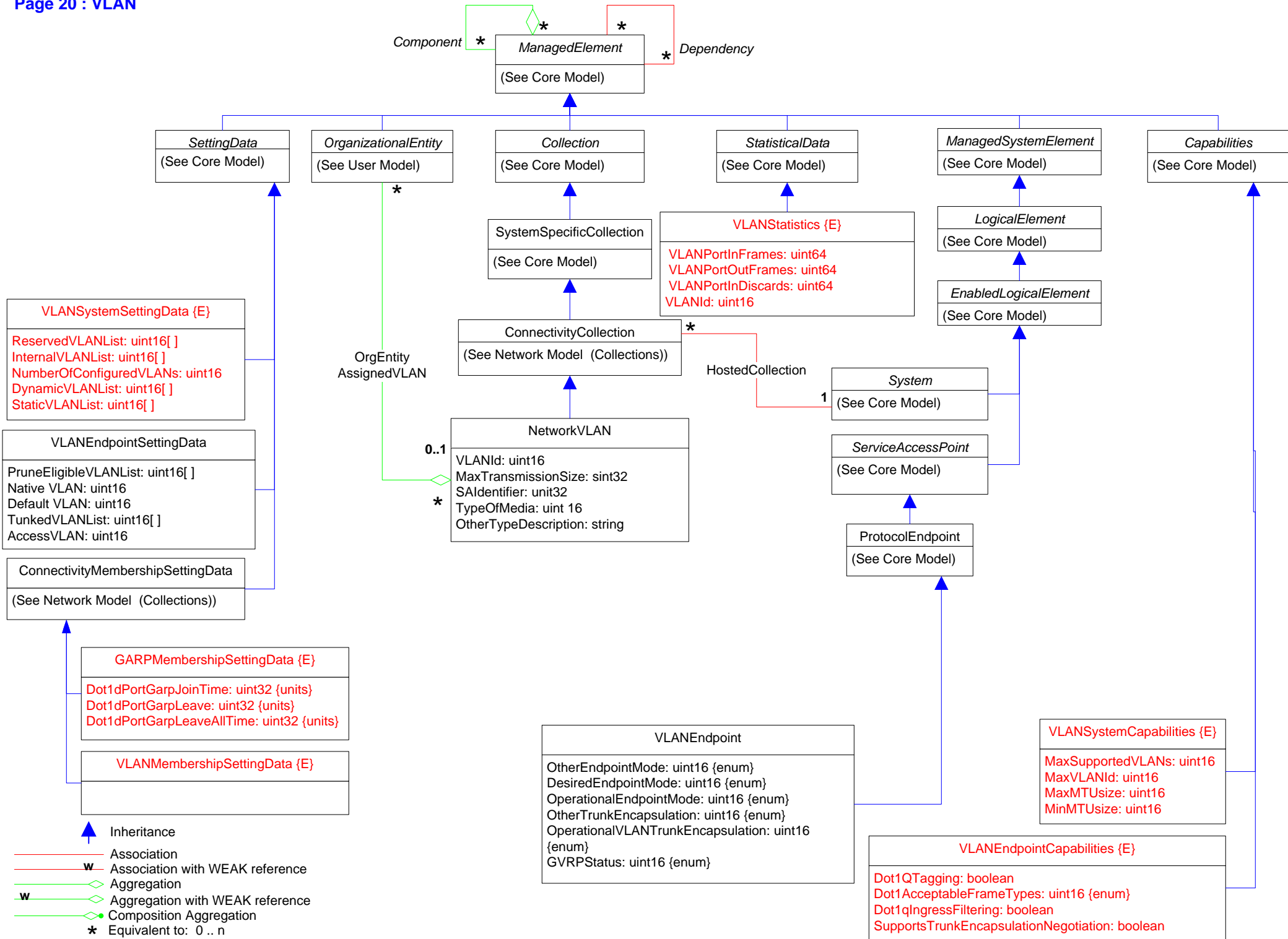


- Inheritance
- Association
- Association with WEAK reference
- Aggregation
- Aggregation with WEAK reference
- Composition Aggregation
- Equivalent to: 0..n



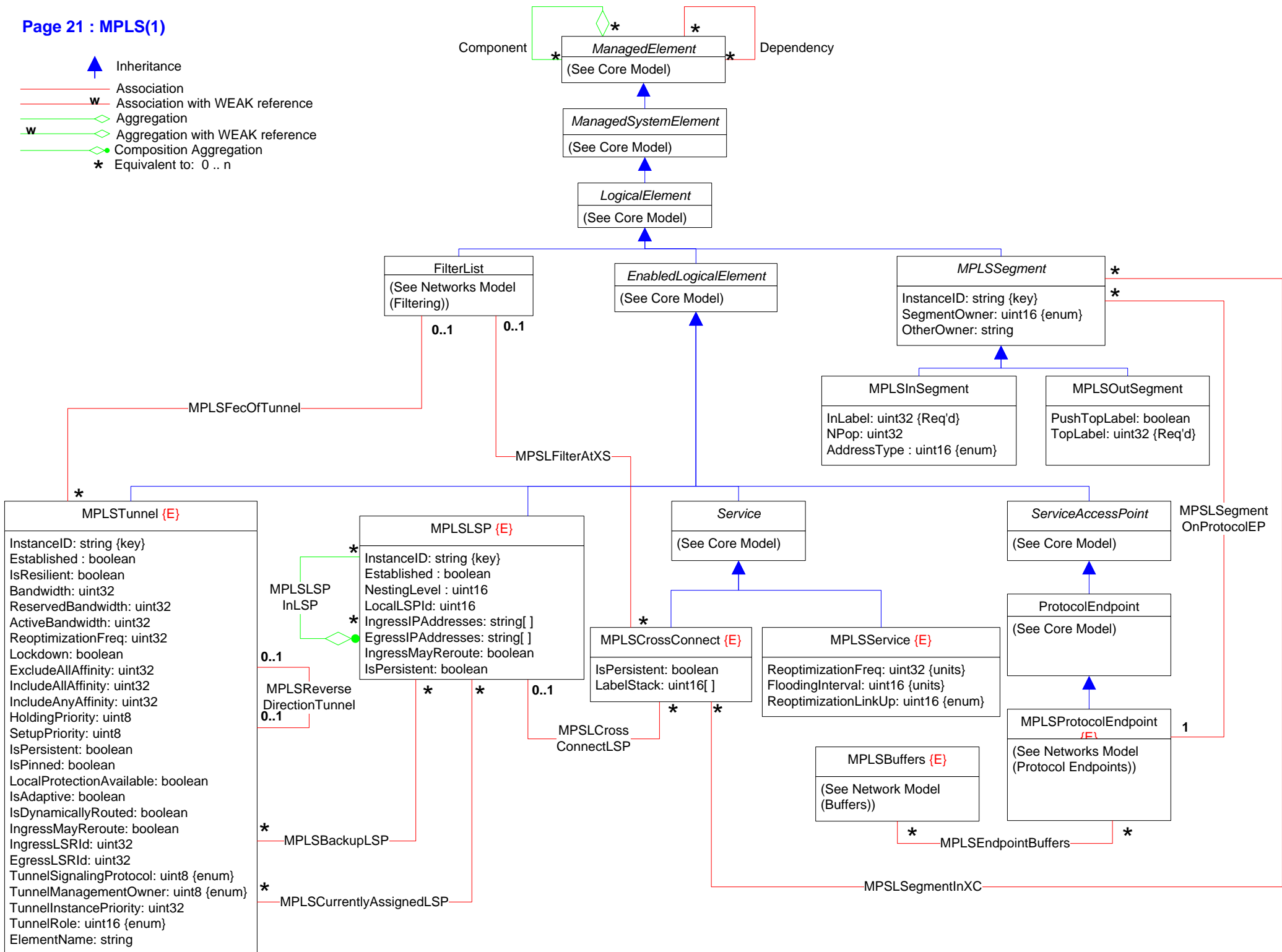




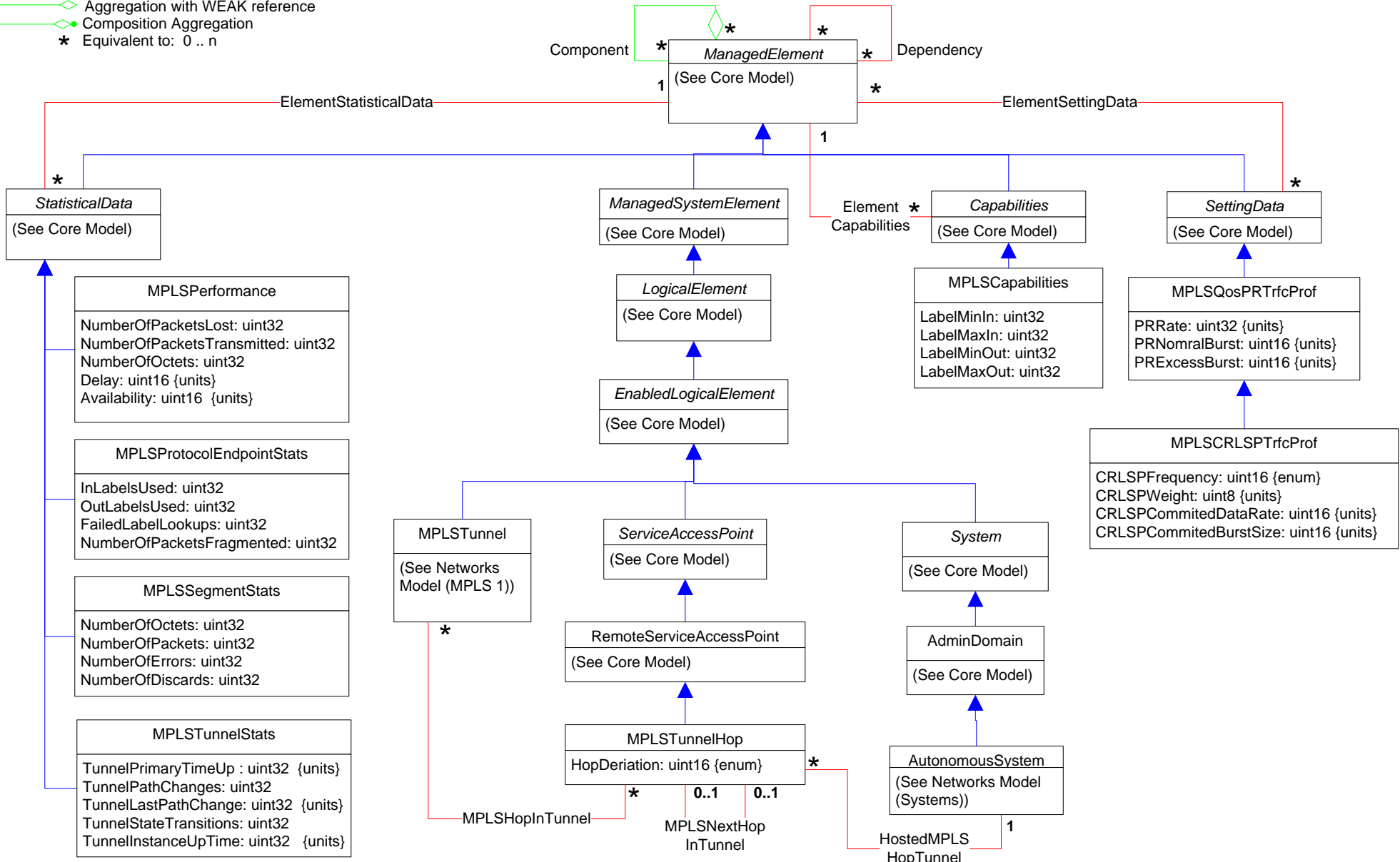
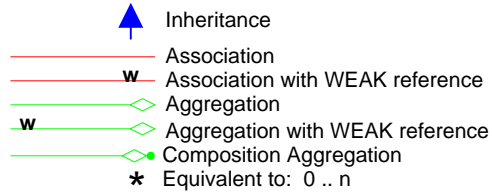


Page 21 : MPLS(1)

- Inheritance
- Association
- Association with WEAK reference
- Aggregation
- Aggregation with WEAK reference
- Composition Aggregation
- Equivalent to: 0 .. n

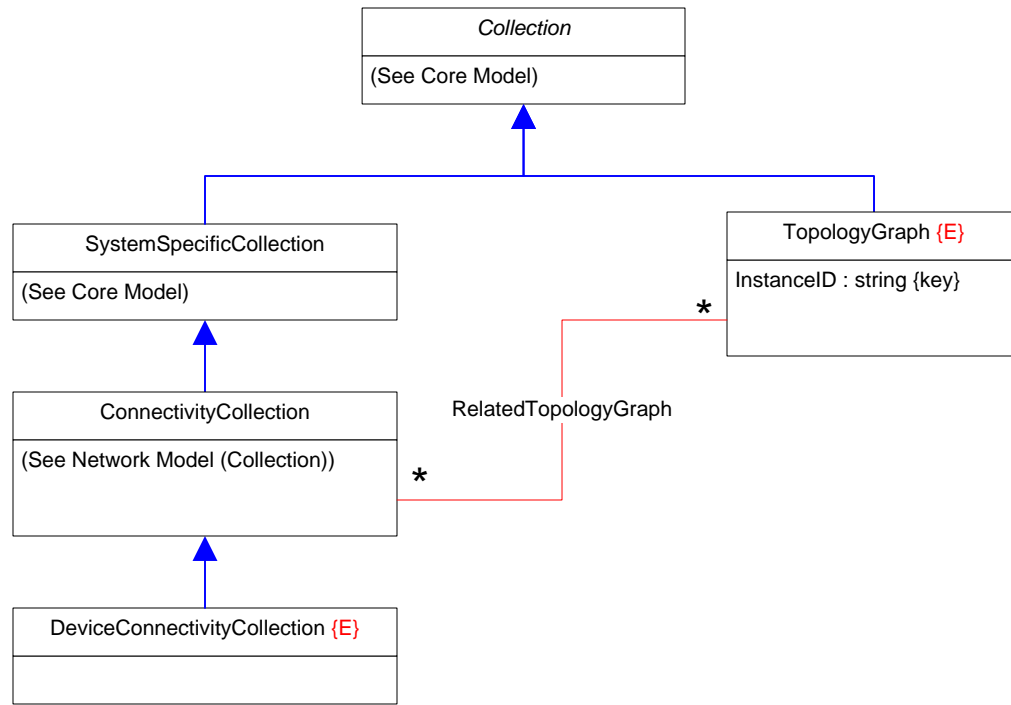


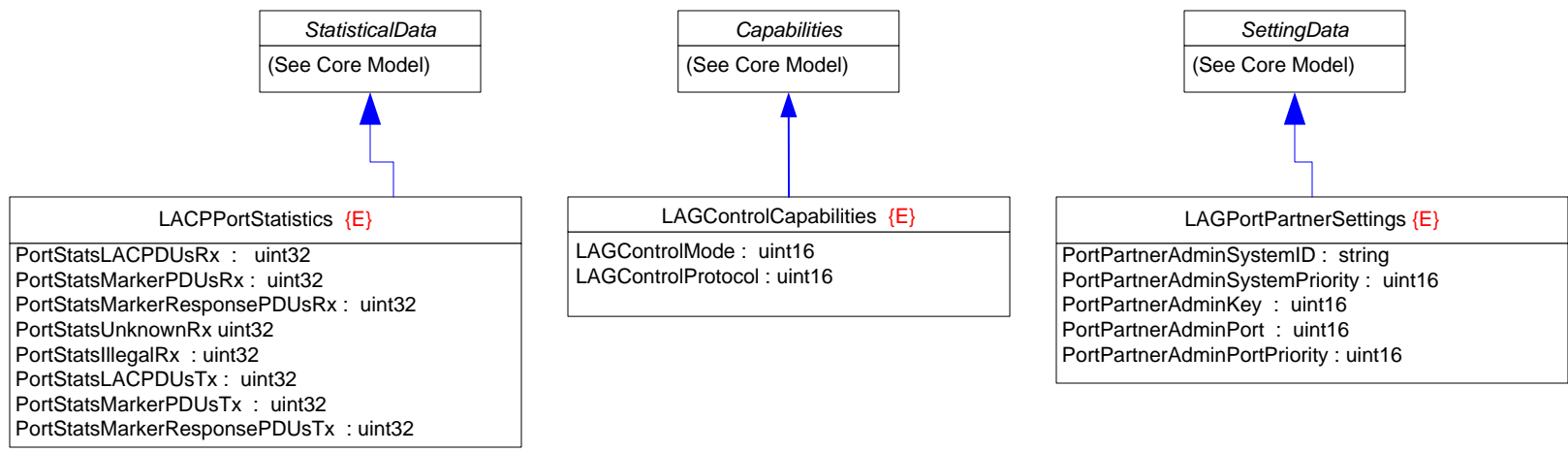
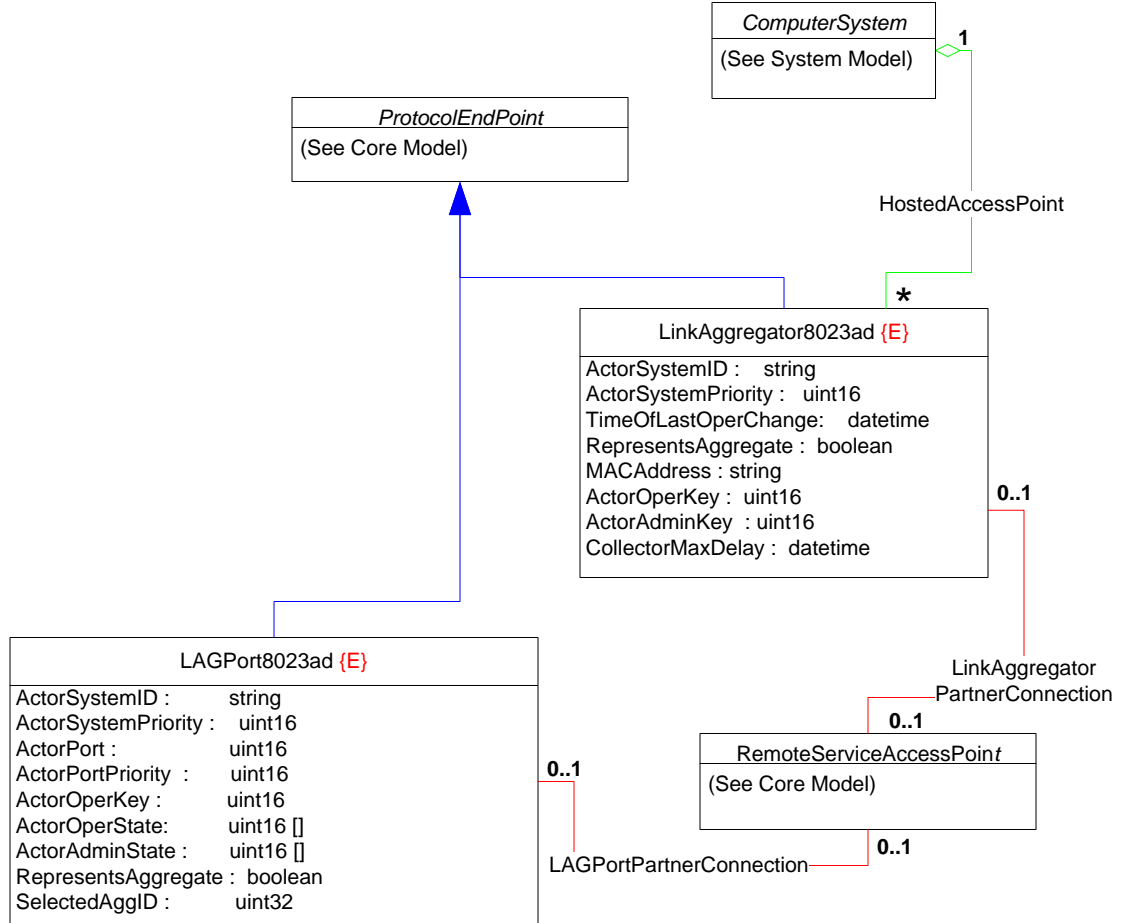
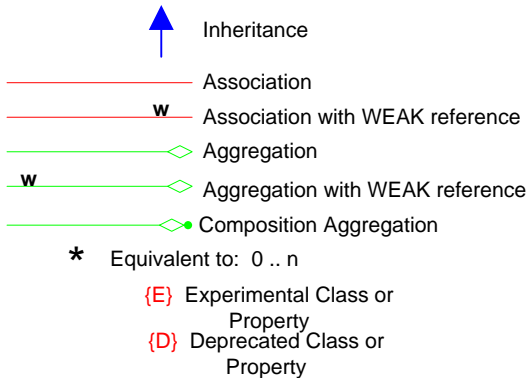
Page 22 : MPLS (2)
Routes, Statistics, Settings, & Capabilities



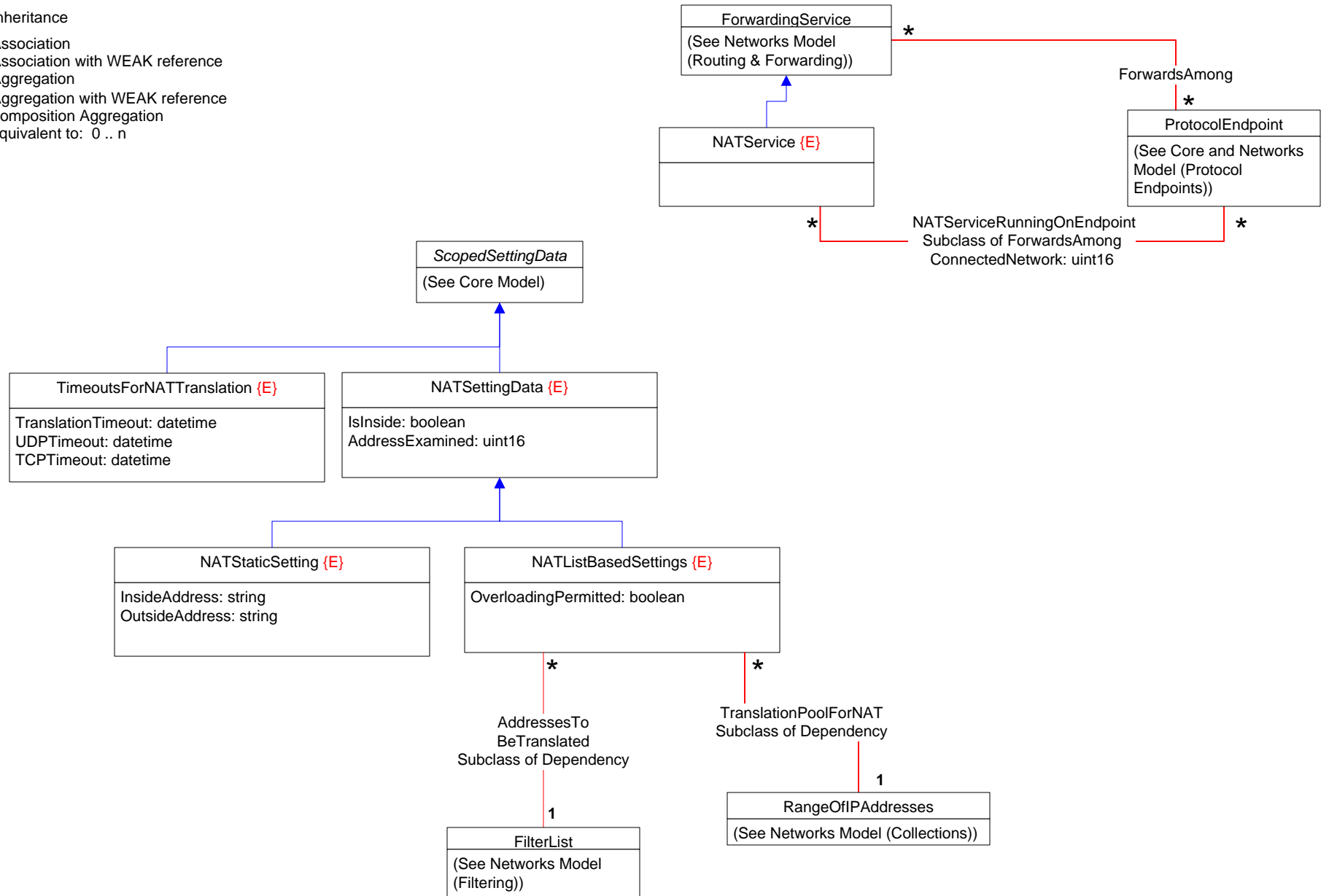
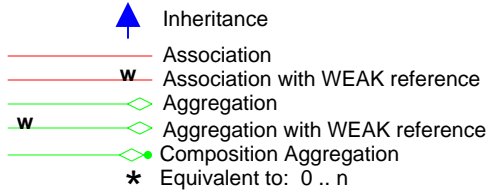
Page 23 : Topology

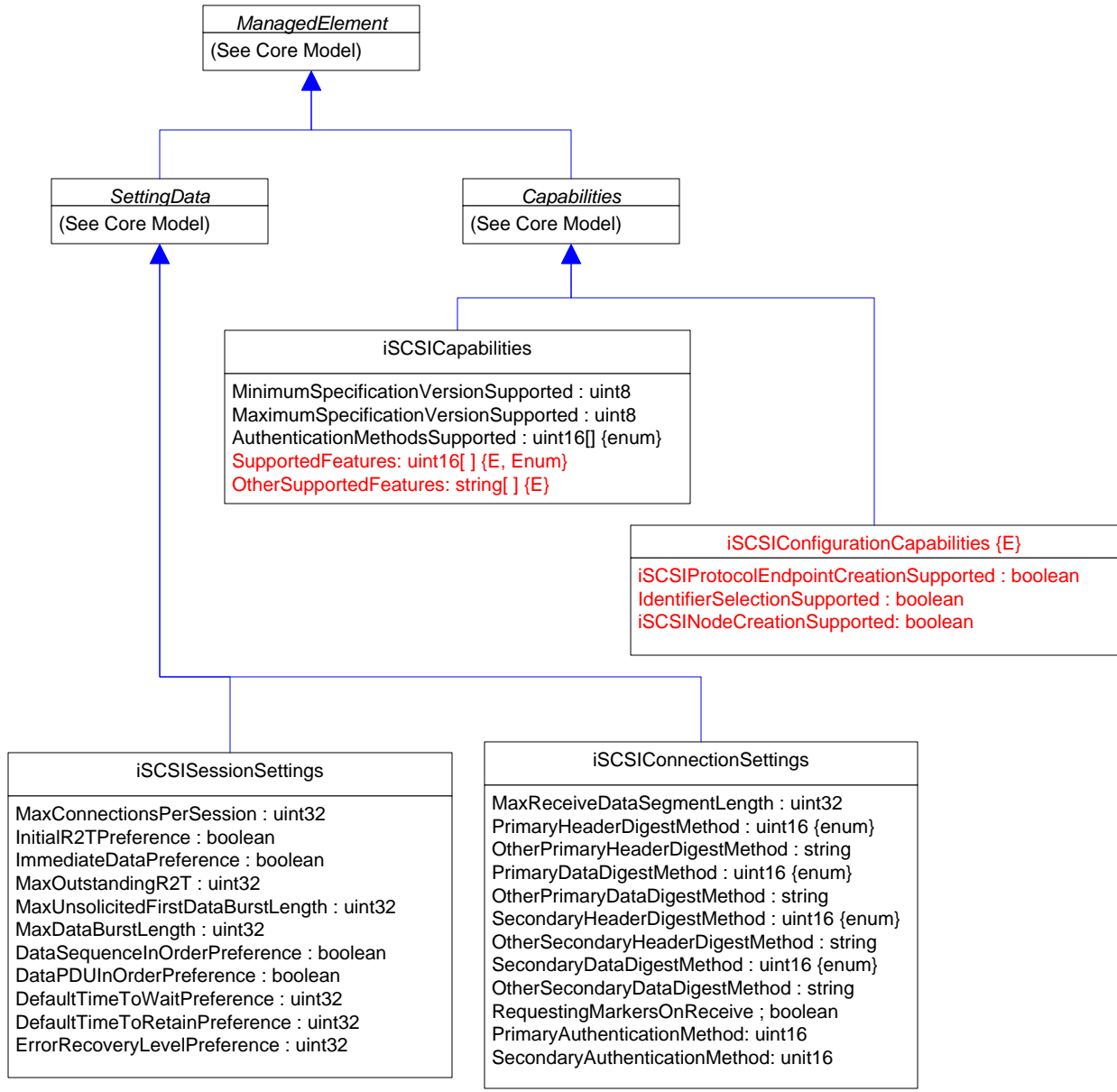
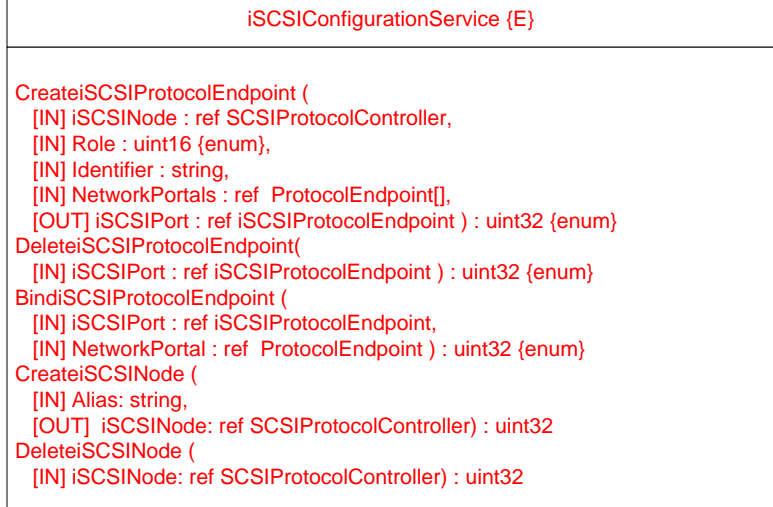
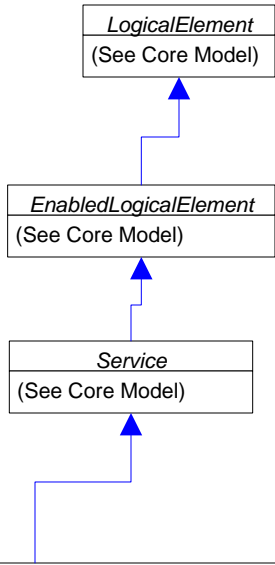
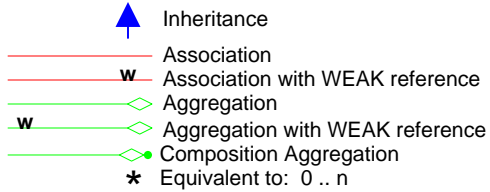
- ▲ Inheritance
- Association
- w Association with WEAK reference
- ◇ Aggregation
- w◇ Aggregation with WEAK reference
- ◇ Composition Aggregation
- * Equivalent to: 0..n

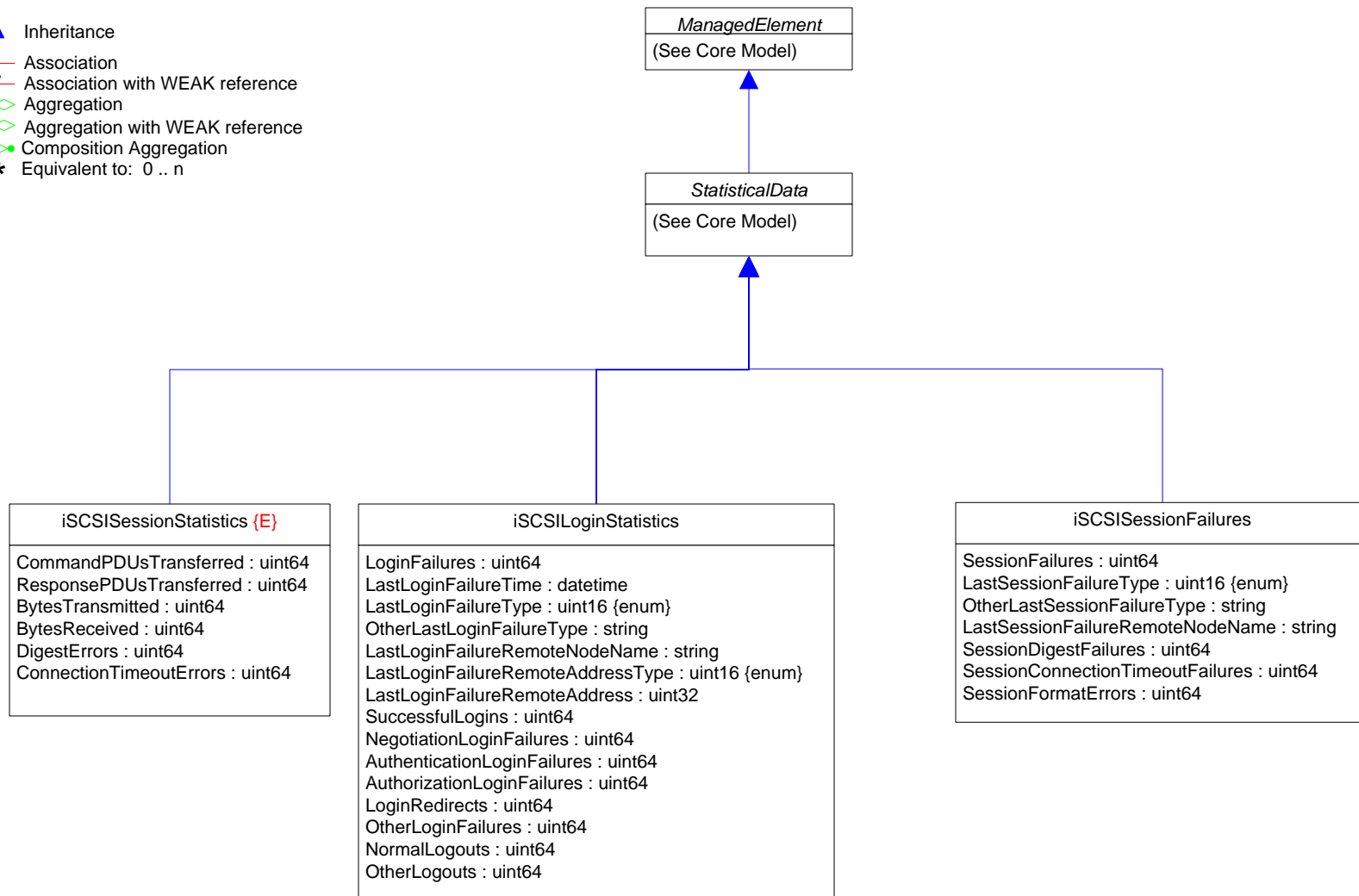
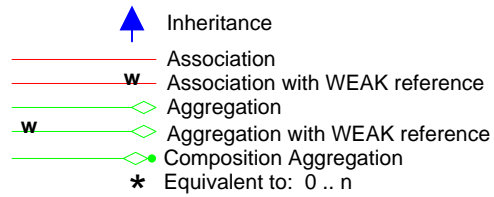











Page 25 : Network Address Translation (NAT)

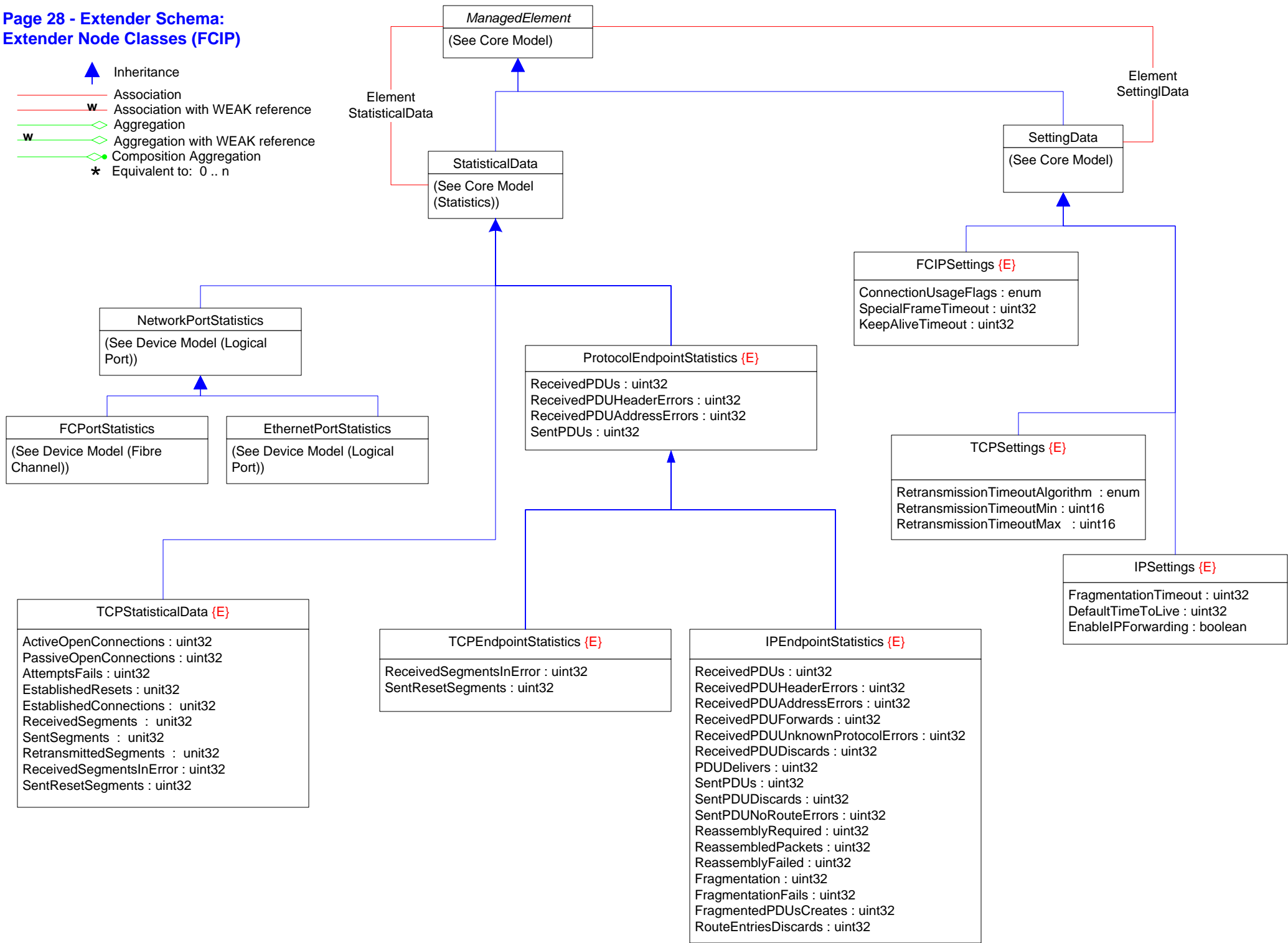


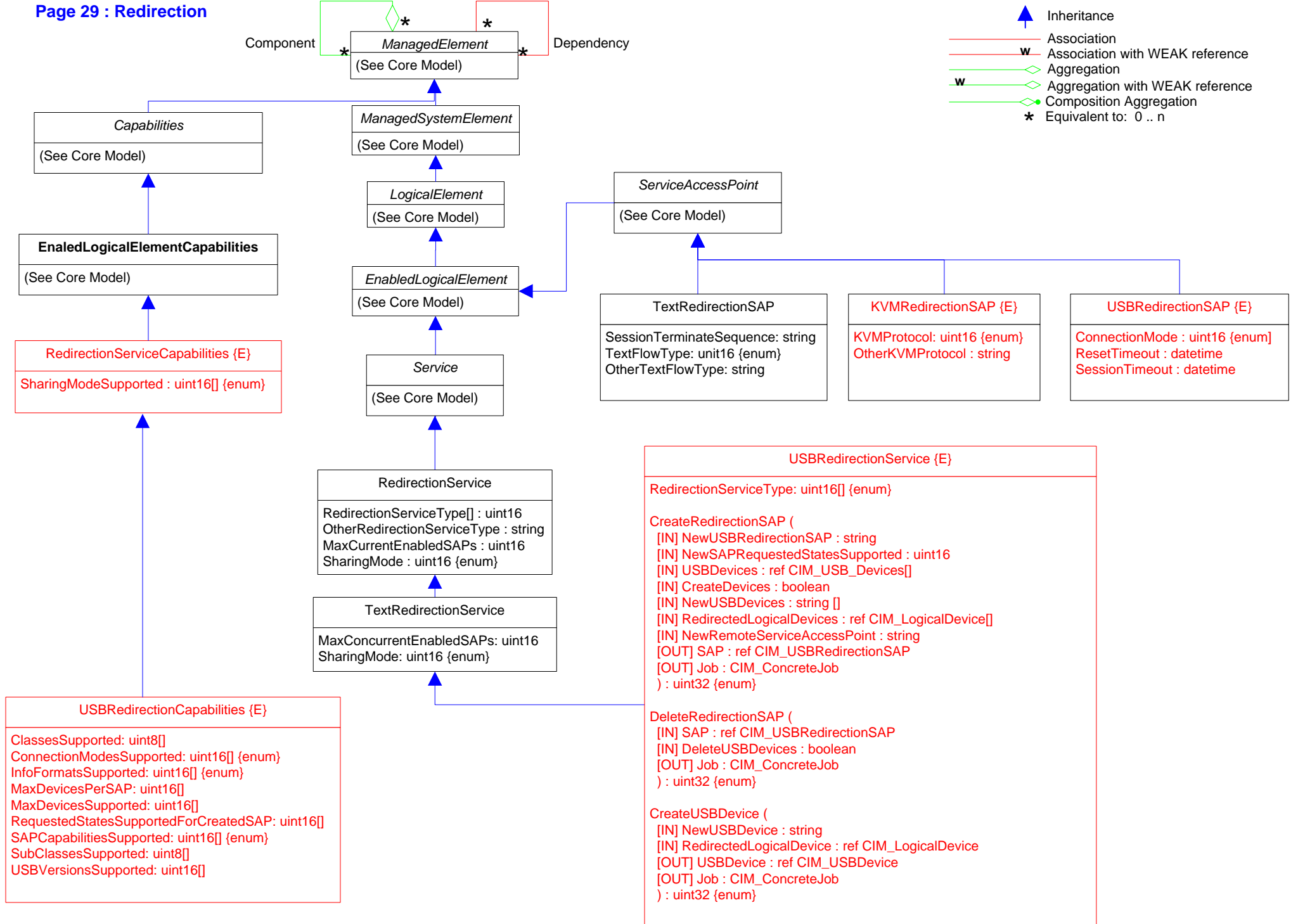


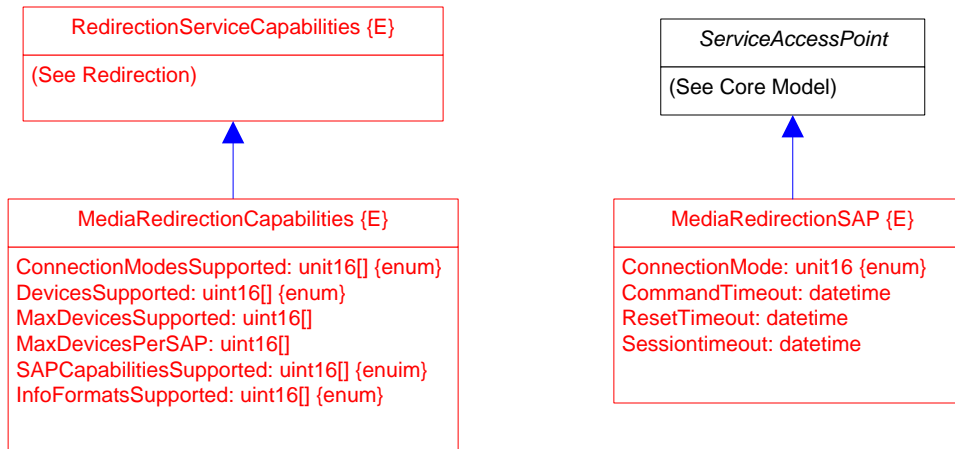
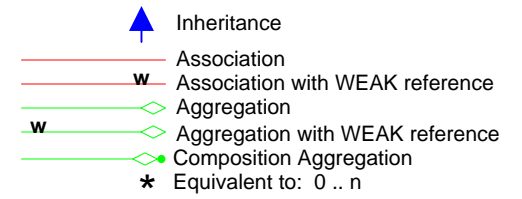









**Page 28 - Extender Schema:
Extender Node Classes (FCIP)**

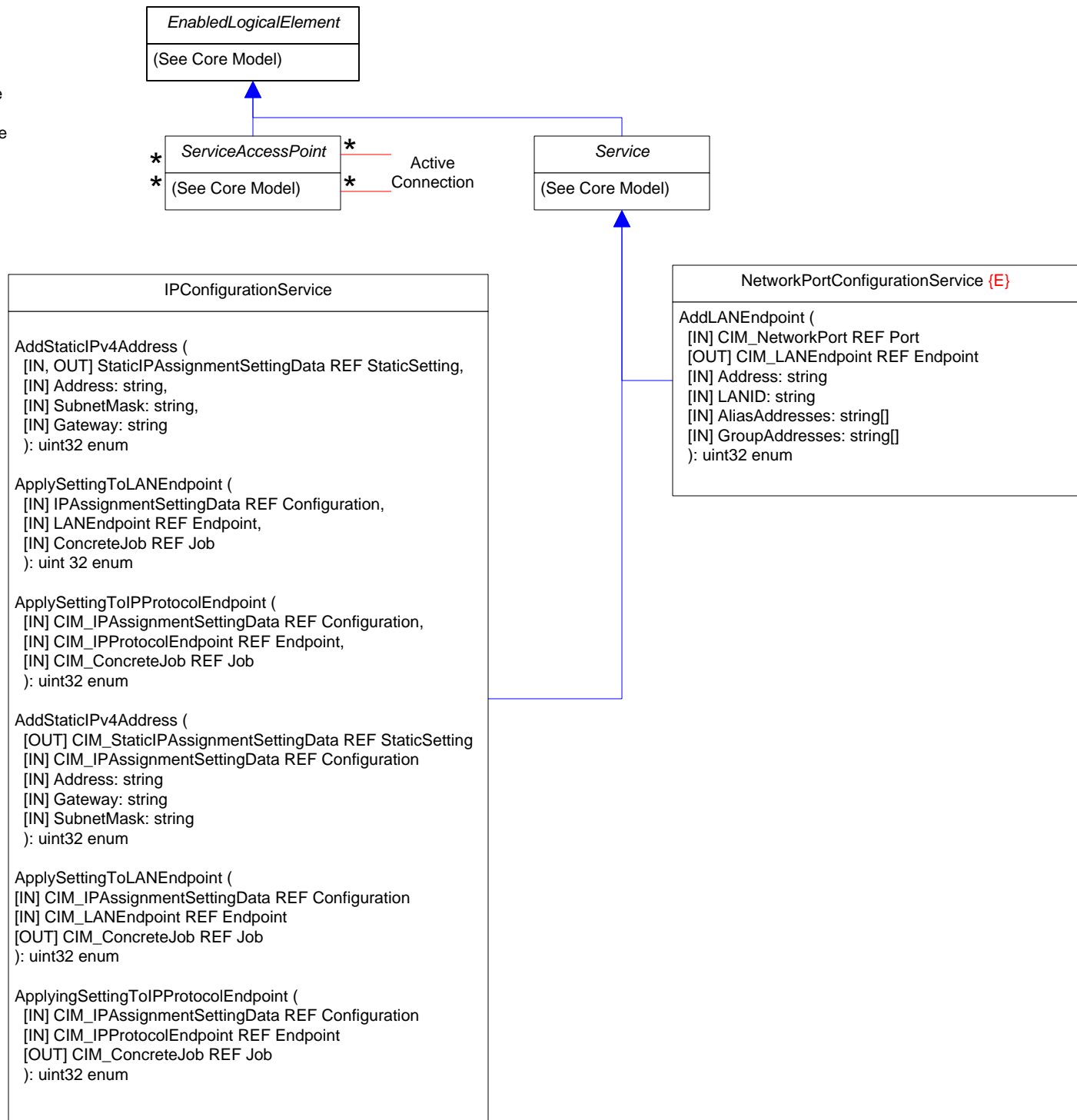
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n

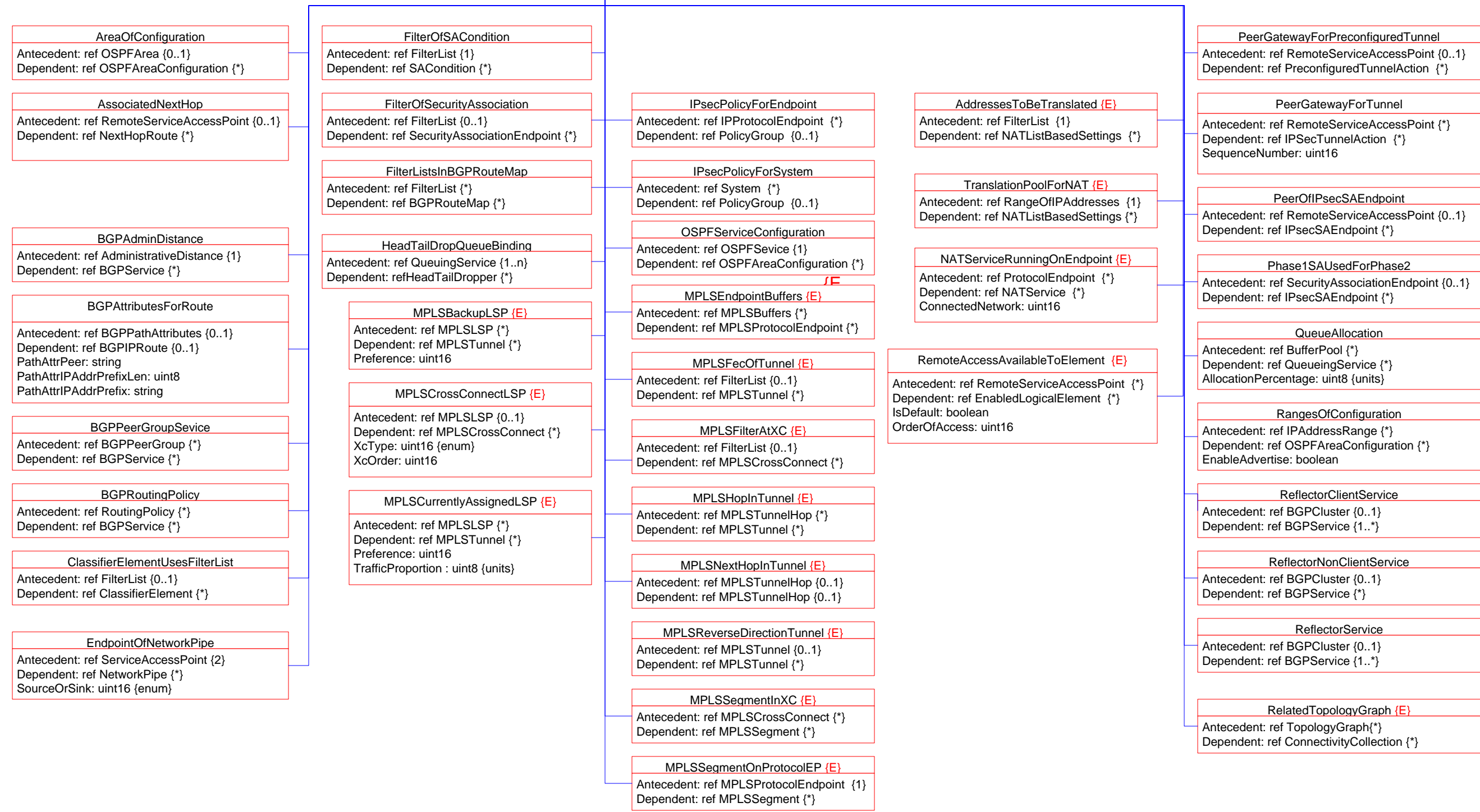
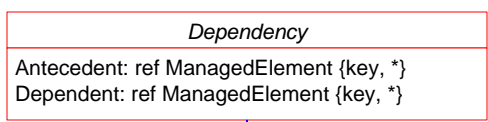


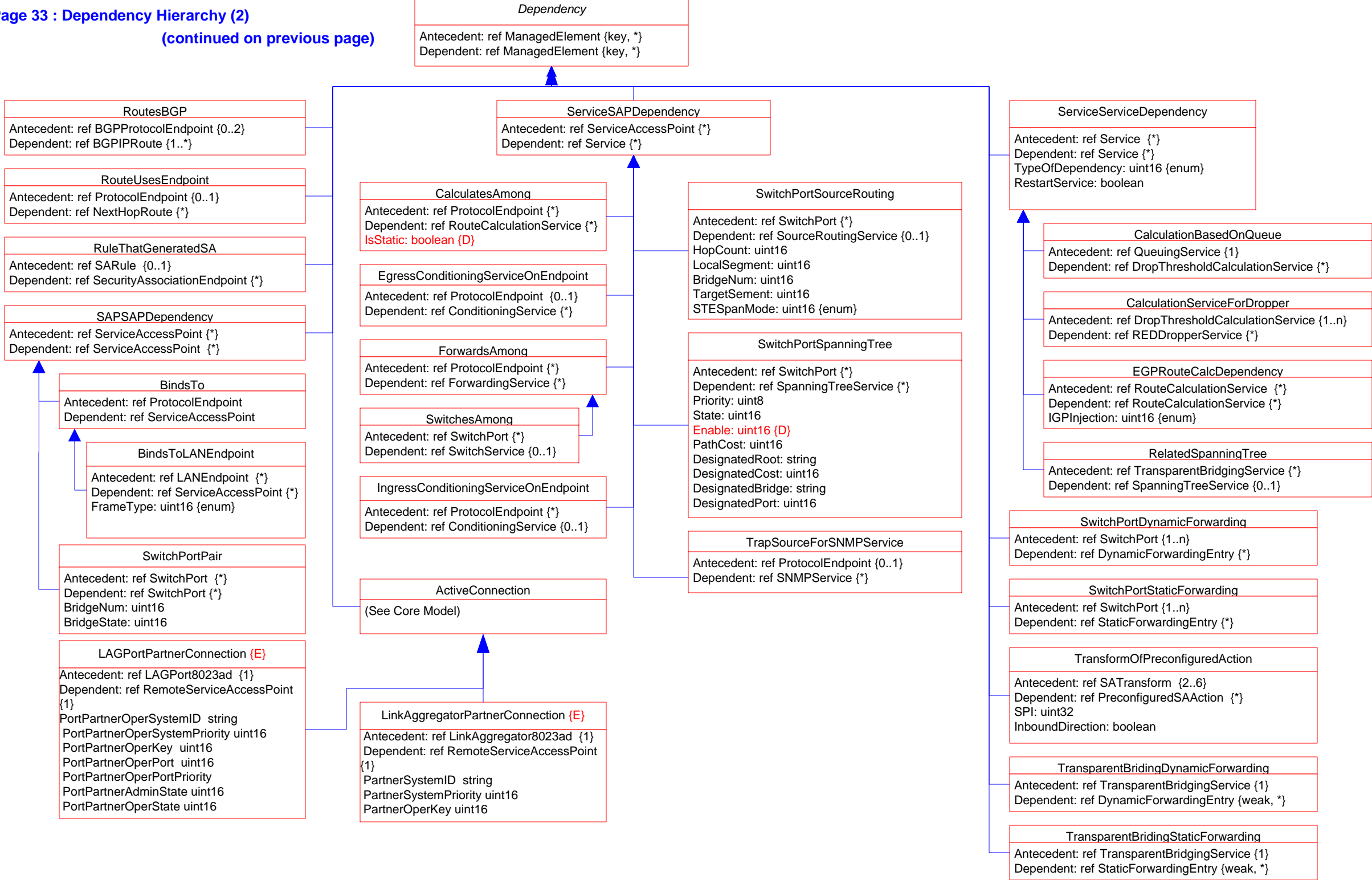




-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n







Dependency
 Antecedent: ref ManagedElement {key, *}
 Dependent: ref ManagedElement {key, *}

ServiceSAPDependency
 Antecedent: ref ServiceAccessPoint {*}
 Dependent: ref Service {*}

ServiceServiceDependency
 Antecedent: ref Service {*}
 Dependent: ref Service {*}
 TypeOfDependency: uint16 {enum}
 RestartService: boolean

RoutesBGP
 Antecedent: ref BGPProtocolEndpoint {0..2}
 Dependent: ref BGPIPRoute {1..*}

RouteUsesEndpoint
 Antecedent: ref ProtocolEndpoint {0..1}
 Dependent: ref NextHopRoute {*}

RuleThatGeneratedSA
 Antecedent: ref SARule {0..1}
 Dependent: ref SecurityAssociationEndpoint {*}

SAPSAPDependency
 Antecedent: ref ServiceAccessPoint {*}
 Dependent: ref ServiceAccessPoint {*}

BindsTo
 Antecedent: ref ProtocolEndpoint
 Dependent: ref ServiceAccessPoint

BindsToLANEndpoint
 Antecedent: ref LANEndpoint {*}
 Dependent: ref ServiceAccessPoint {*}
 FrameType: uint16 {enum}

SwitchPortPair
 Antecedent: ref SwitchPort {*}
 Dependent: ref SwitchPort {*}
 BridgeNum: uint16
 BridgeState: uint16

LAGPortPartnerConnection (E)
 Antecedent: ref LAGPort8023ad {1}
 Dependent: ref RemoteServiceAccessPoint {1}
 PortPartnerOperSystemID string
 PortPartnerOperSystemPriority uint16
 PortPartnerOperKey uint16
 PortPartnerOperPort uint16
 PortPartnerOperPortPriority
 PortPartnerAdminState uint16
 PortPartnerOperState uint16

CalculatesAmong
 Antecedent: ref ProtocolEndpoint {*}
 Dependent: ref RouteCalculationService {*}
 IsStatic: boolean {D}

EgressConditioningServiceOnEndpoint
 Antecedent: ref ProtocolEndpoint {0..1}
 Dependent: ref ConditioningService {*}

ForwardsAmong
 Antecedent: ref ProtocolEndpoint {*}
 Dependent: ref ForwardingService {*}

SwitchesAmong
 Antecedent: ref SwitchPort {*}
 Dependent: ref SwitchService {0..1}

IngressConditioningServiceOnEndpoint
 Antecedent: ref ProtocolEndpoint {*}
 Dependent: ref ConditioningService {0..1}

ActiveConnection
 (See Core Model)

LinkAggregatorPartnerConnection (E)
 Antecedent: ref LinkAggregator8023ad {1}
 Dependent: ref RemoteServiceAccessPoint {1}
 PartnerSystemID string
 PartnerSystemPriority uint16
 PartnerOperKey uint16

SwitchPortSourceRouting
 Antecedent: ref SwitchPort {*}
 Dependent: ref SourceRoutingService {0..1}
 HopCount: uint16
 LocalSegment: uint16
 BridgeNum: uint16
 TargetSement: uint16
 STESpanMode: uint16 {enum}

SwitchPortSpanningTree
 Antecedent: ref SwitchPort {*}
 Dependent: ref SpanningTreeService {*}
 Priority: uint8
 State: uint16
 Enable: uint16 {D}
 PathCost: uint16
 DesignatedRoot: string
 DesignatedCost: uint16
 DesignatedBridge: string
 DesignatedPort: uint16

TrapSourceForSNMPService
 Antecedent: ref ProtocolEndpoint {0..1}
 Dependent: ref SNMPService {*}

CalculationBasedOnQueue
 Antecedent: ref QueuingService {1}
 Dependent: ref DropThresholdCalculationService {*}

CalculationServiceForDropper
 Antecedent: ref DropThresholdCalculationService {1..n}
 Dependent: ref REDDropperService {*}

EGPRouteCalcDependency
 Antecedent: ref RouteCalculationService {*}
 Dependent: ref RouteCalculationService {*}
 IGPInjection: uint16 {enum}

RelatedSpanningTree
 Antecedent: ref TransparentBridgingService {*}
 Dependent: ref SpanningTreeService {0..1}

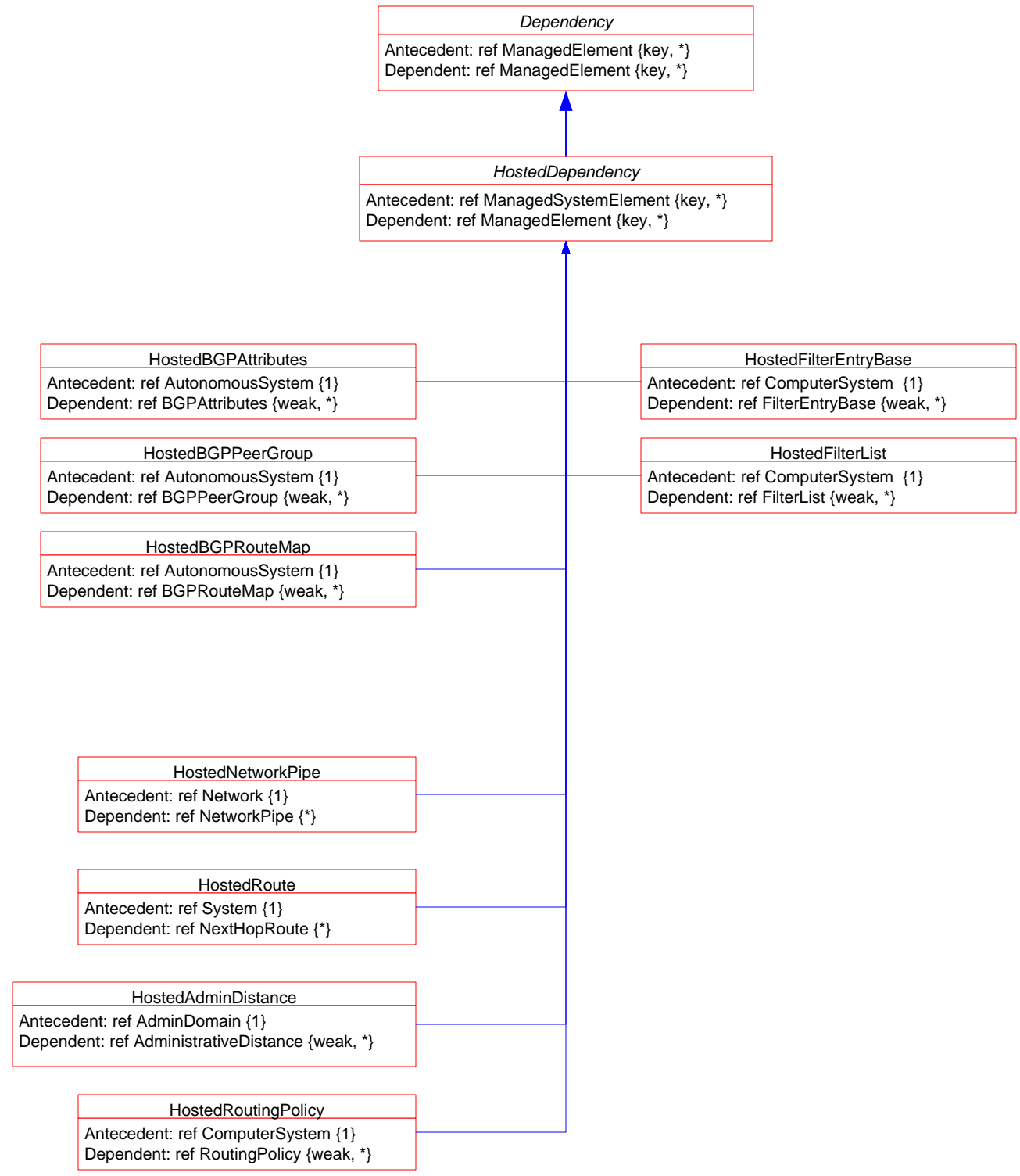
SwitchPortDynamicForwarding
 Antecedent: ref SwitchPort {1..n}
 Dependent: ref DynamicForwardingEntry {*}

SwitchPortStaticForwarding
 Antecedent: ref SwitchPort {1..n}
 Dependent: ref StaticForwardingEntry {*}

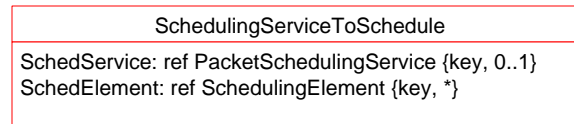
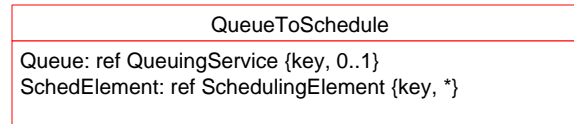
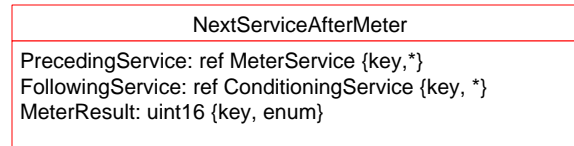
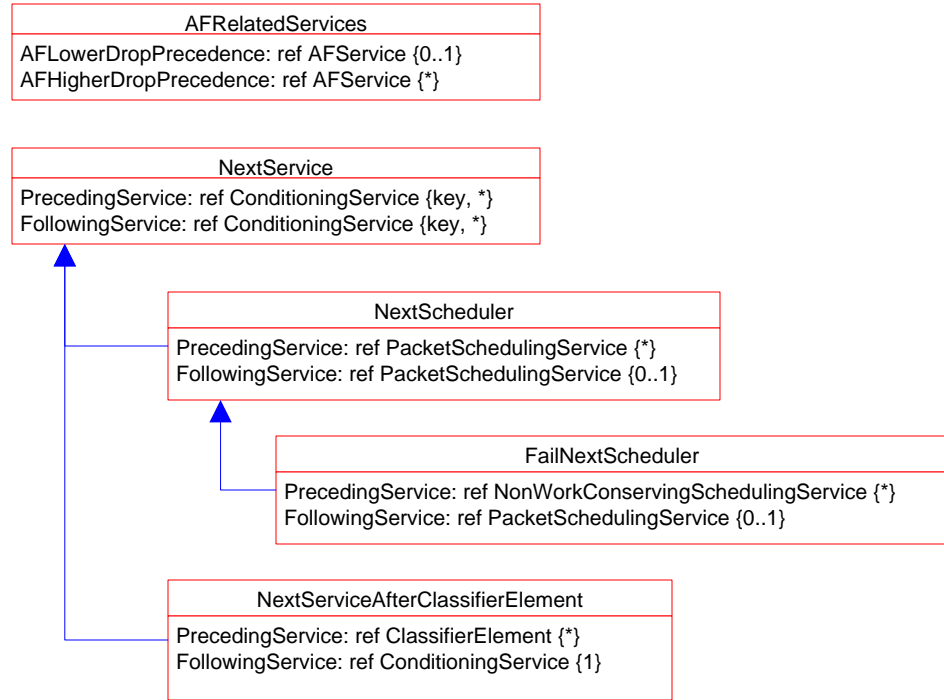
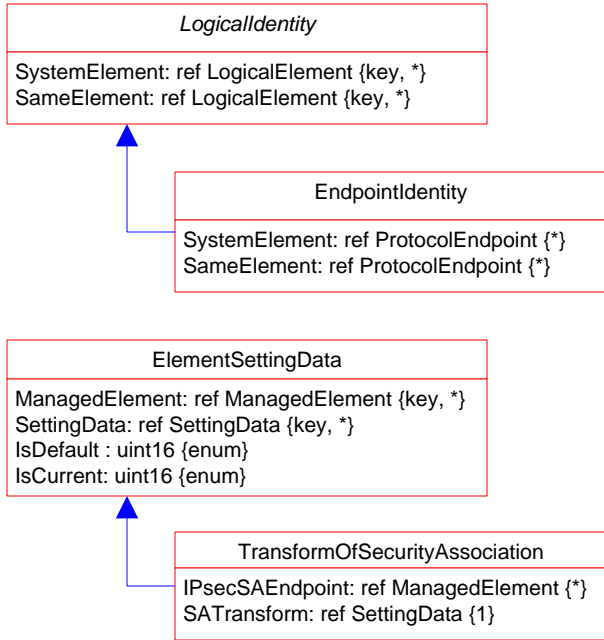
TransformOfPreconfiguredAction
 Antecedent: ref SATransform {2..6}
 Dependent: ref PreconfiguredSAAction {*}
 SPI: uint32
 InboundDirection: boolean

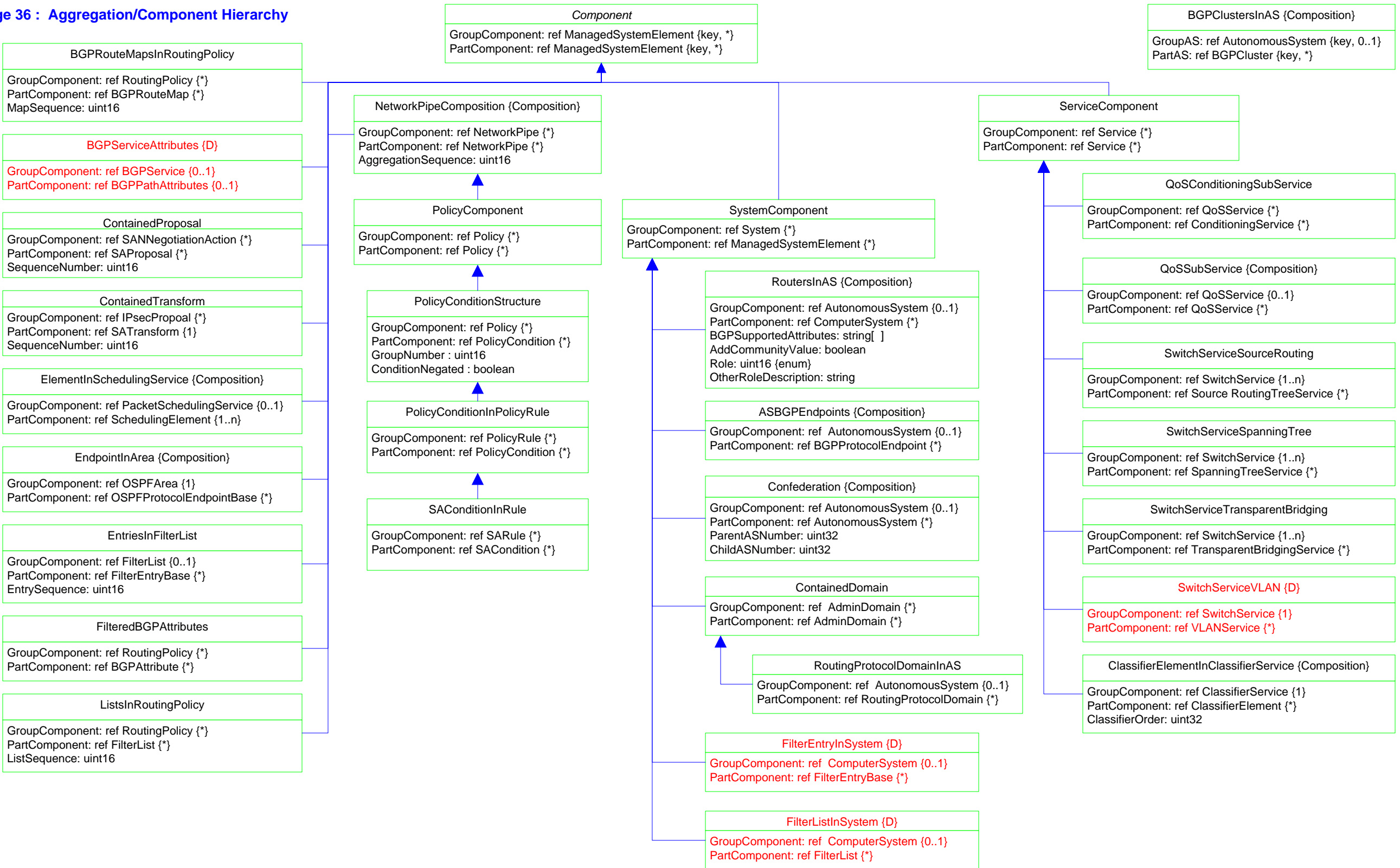
TransparentBridgingDynamicForwarding
 Antecedent: ref TransparentBridgingService {1}
 Dependent: ref DynamicForwardingEntry {weak, *}

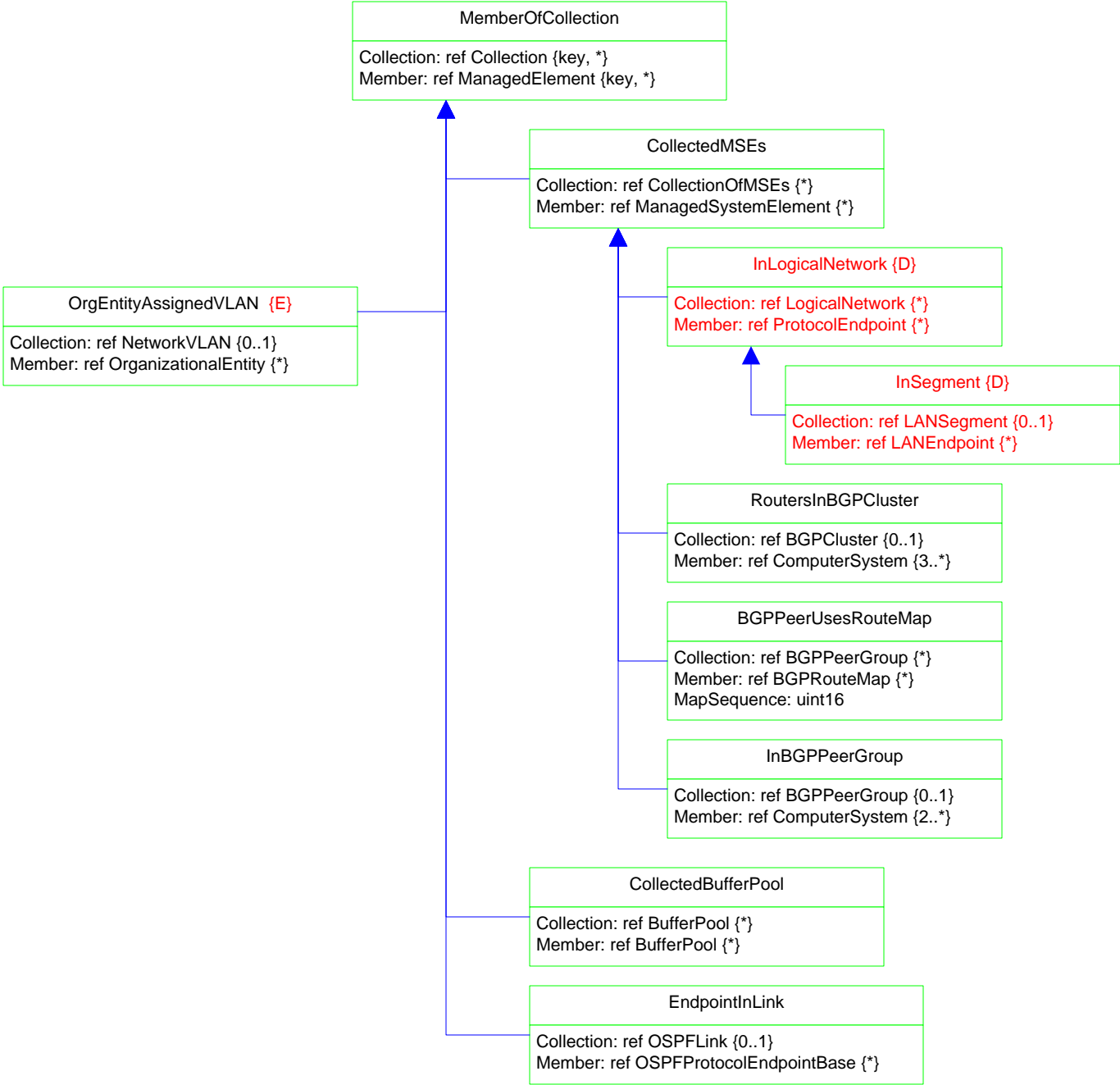
TransparentBridgingStaticForwarding
 Antecedent: ref TransparentBridgingService {1}
 Dependent: ref StaticForwardingEntry {weak, *}










Page 35 : Association (Non-Aggregation/Dependency) Hierarchy

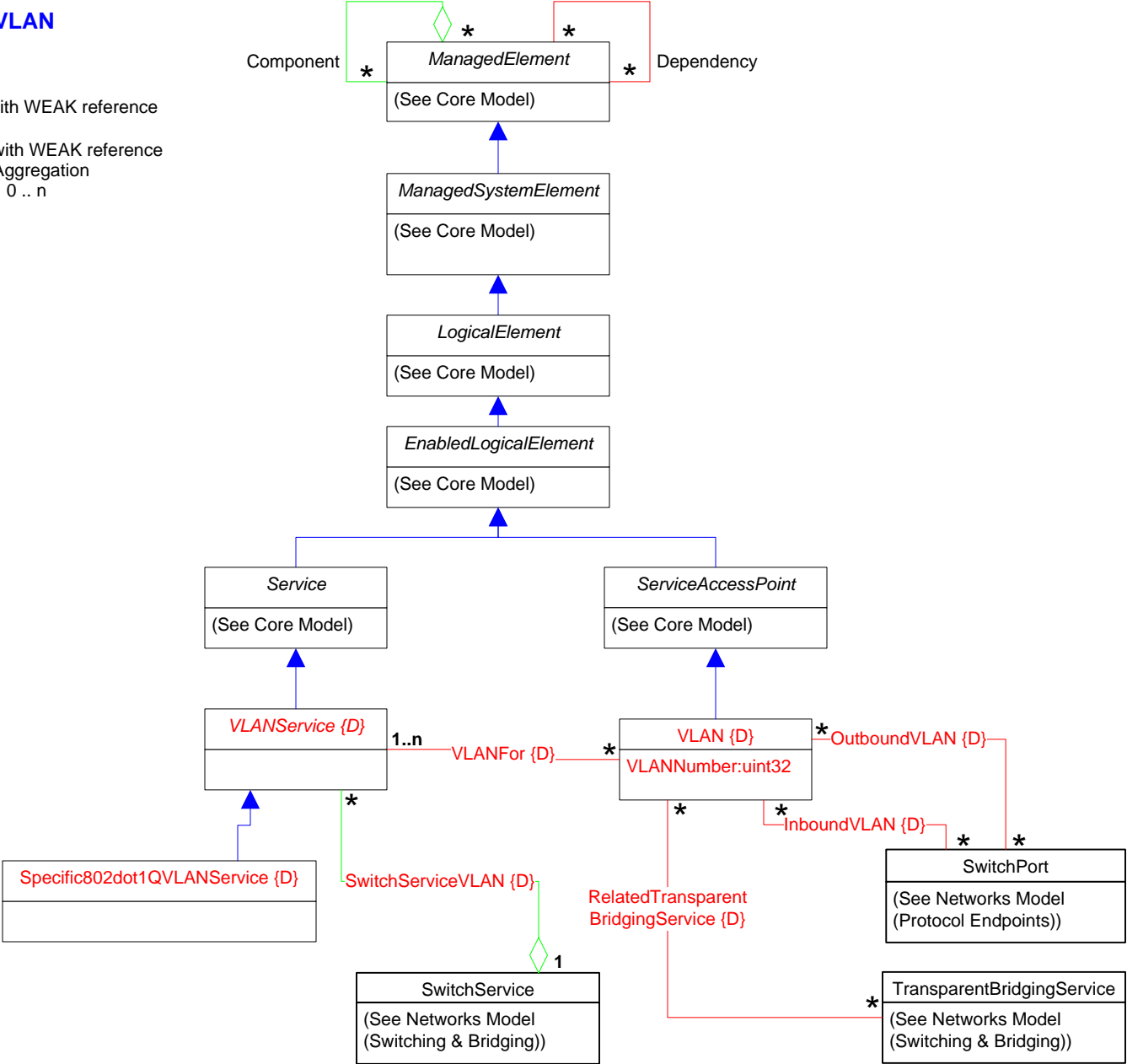






Page 38 : Deprecated VLAN

-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n



Page 39: Deprecated Associations

